आदर्श विज्ञान , जे.बी.कला व बिर्ला वाणिज्य महाविद्यालय, धामणगाव रेल्वे
इतिहास विभाग ( सत्र २०२१-२२)

दिनांक:- ०८ .११.२०२१

## सूचना

बी.ए. भाग १, २, ३ च्या इतिहास विषयाच्या सर्व विद्यार्थ्यांना सुचित करण्यात येते की, इतिहास विषयाचे असाइनमेंट खालील वेळापत्रकानुसार संबंधित तारखेच्या आत इतिहास विभागात जमा करावे, तसेच सदर तारखेला अभ्यासक्रमावर आधारित मौखिक परिक्षा घेण्यात येईल. असाइनमेंट करिता १० गुण आणि मौखिक परिक्षेकरीता (Viva) १० गुण असे एकूण २० गुण राहतील याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.

बी.ए. भाग १- सत्र १—— दिनांक- २२ , २३ नोव्हेंबर २०२१

बी.ए. भाग २ - सत्र ३—— दिनांक- २४ , २५ नोव्हेंबर २०२१

बी.ए. भाग ३- सत्र ५—— दिनांक- २६ , २७ नोव्हेंबर २०२१

तरी सर्व विद्यार्थ्यांनी दिलेल्या तारखेनुसार असाइंनमेंट जमा करावे.

विभाग प्रमुख
इतिहास विभाग
आदर्श महाविद्यालय,धामणगावरेल्वे

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आदर्श विज्ञान, जे.बी.कला व बिरला वाणिज्य महाविद्यालय, धामणगाव रेल्वे

इतिहास विभाग

**Internal Assessment (Winter -2021 )**

**Home Assignment**

---

**B. A. –I Sem-I** Marks - 10

खालीलपैकी कोणतेही पाच प्रश्न सोडवा

१) प्राचीन भारताच्या इतिहासाच्या साधनाचे सविस्तर वर्णन करा.

२)सिंधी संस्कृतीच्या नगररचनेचे वर्णन करा.

३)~~सिंधु संस्कृतीच्या नाशाची कारणे लिहा?~~

४)बौद्ध धर्माचा उदय का झाला?

५) उत्तर वैदिक काळातील सामाजिक जीवन स्पष्ट करा?

६)वैदिक धर्मातील सोळा संस्काराचे विवेचन करा?

७)नालंदा विद्यापीठाविषयी माहिती लिहा?

८)कलिंग युद्धाचे वर्णन करा?

९)मौर्य प्रशासन व्यवस्थेचे वर्णन करा?

१०) ~~गुप्त कळखडाला तत्कीन परिस्थितीत महत्त्वपूर्ण स्थान का प्राप्त झाले?~~

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Internal Assessment

**B.A. Part- I** **Sem - I** **Subject : History**

| Sr. No | Roll No. | Name of the Student | Mobile No | Sign. | Marks | | Total Marks 20 |
|---|---|---|---|---|---|---|---|
| | | | | | Assignment (10) | Viva Voca (10) | |
| 1 | | Aafatafkha Aafajalkha Pathan | 7666130257 | Apathan | 08 | 08 | 16 |
| 2 | | Aakanksha Ramesh Aamale | 8767081462 | AAamale | 10 | 02 | 12 |
| 3 | | Aakash Rajkumar Manke | 7549317987 | AA | | | |
| 4 | | Aarti Arun Vairagade | 8669845403 | A.A.vairagade | 10 | 08 | 18 |
| 5 | | Aarti Digambar Kaikadi | 7030480725 | Akaikadi | | | |
| 6 | | Abhay Rajendra Dube | 9975032063 | Abhay.Dube | 07 | 05 | 12 |
| 7 | | Abhijit Sanjay Lanjewar | 8766883163 | AA | 05 | 05 | 10 |
| 8 | | Abhijit Shivcharan Shelke | 9665429590 | | 05 | 05 | 10 |
| 9 | | Abhijit Sudhakar Dahake | 9834168251 | AA | - | - | - |
| 10 | | Abhishek Devidas Gomase | 8983104739 | —— | SLT | —— | — |
| 11 | | Abhishek R. Thakare | 8788478699 | —— | SLT | —— | — |
| 12 | | Aftab Chandkhan Pathan | 7796794374 | AGPathan | 10 | 07 | 17 |
| 13 | | Aishwarya S. Junewal | 9359687419 | A.S.Junewal | 05 | 10 | 15 |
| 14 | | Ajay Nitin Bhure | 9307447538 | ANBhure | 08 | 09 | 17 |
| 15 | | Ajay Satish Daware | 7249833802 | —— | SLT | —— | — |
| 16 | | Akshay Sanjay Gawai | 8767019073 | AS Gawai | 10 | 05 | 15 |
| 17 | | Alfiya Yakubkhan Pathan | 9403094598 | Aypathan | 09 | 09 | 18 |
| 18 | | Aniket Bharat Kadam | 7666147926 | —— | SLT | —— | |
| 19 | | Aniket Santosh Gondhale | 380982037 | Agondhale | 08 | 10 | 18 |
| 20 | | Aniket Shrikrushna Dhage | 8262098682 | ASDhage | 05 | 07 | 12 |
| 21 | | Aniket Vikasrao Kale | 8080324344 | —— | SLT | —— | |
| 22 | | Anjali Manoj Raut | 8668744739 | AMRaut | 10 | 07 | 17 |
| 23 | | Ankita Kisanrao Raut | 8390287566 | A.M.Raut | SLT | —— | |
| 24 | | Ankush Mahenderrao Kadam | 7666921580 | Akadam | 08 | 08 | 16 |
| 25 | | Anukul Hareshrao Sontakke | 9975259432 | —— | SLT | —— | |



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**B.A. Part- I** **Sem - I** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | | Anushka Sadashiv Pawar | 8788639179 | | 05 | 10 | 15 |
| 27 | | Arti Pandurang Savalikar | 9322330285 | — | SLT | — | |
| 28 | | Arun Dashrath Wankhade | 9325708363 | | 08 | 08 | 16 |
| 29 | | Atul Ramesh Pawar | 9130256551 | | 10 | 06 | 16 |
| 30 | | Avinash Kisanrao Maliye | 9356518941 | | 09 | 10 | 19 |
| 31 | | Avinash Vinod Raut | 8459468441 | AA | AA | AA | AA |
| 32 | | Ayush Santosh Waghmare | 7774836181 | | SLT | SLT | SLT |
| 33 | | Bhumeshwari S. Thombare | 8767405547 | BST | 10 | 10 | 20 |
| 34 | | Bhumishwari R. Thakare | 8767589202 | | 10 | 08 | 18 |
| 35 | | Chanchal Umeshrao Bhagat | 8668678197 | | 05 | 10 | 15 |
| 36 | | Chetan Ganpatrao Uike | 7796720797 | — | SLT | SLT | — |
| 37 | | Chetan R. Chaudhari | 7038867554 | — | SLT | SLT | — |
| 38 | | Damini Sanjayrao Gawande | 9359960639 | | 10 | 05 | 15 |
| 39 | * | Darshan Dineshrao Kaurati | 7038195852 | AA | AA | AA | AA |
| 40 | | Darshana Keshavrao Ghodke | 8766626383 | DKghodke | 09 | 09 | 18 |
| 41 | | Deep Amol Gayakwad | 8459168992 | AA | AA | AA | AA |
| 42 | | Deep Sanjay Belonkar | 7758954631 | | 10 | 10 | 20 |
| 43 | | Dharmesh M. Kondhekar | 9146132757 | | 08 | 07 | 15 |
| 44 | | Dhiraj Arun Dhurve | 9307820724 | — | SLT | SLT | — |
| 45 | | Dhiraj Marotrao Mokashe | 9307892746 | Dhirajm | 08 | 08 | 16 |
| 46 | | Diksha Marotrao Maraskolhe | 8459609996 | | 07 | 10 | 17 |
| 47 | * | Divya Gajanan Kamdi | 8262080775 | AA | AA | AA | AA |
| 48 | | Divya M. Chafalekar | 8421455435 | | 08 | 08 | 16 |
| 49 | | Divya Manoj Wankhade | 9657617531 | | 10 | 07 | 17 |
| 50 | | Dnyaneshwari V. Katode | 8459595660 | | 05 | 10 | 15 |
| 51 | | Durga Shamrao Zore | 9284165573 | — | SLT | SLT | — |
| 52 | | Gaurav Raju Dhurve | 8180923874 | G.R.Dhurve | 08 | 08 | 16 |



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**B.A. Part- I** **Sem - I** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 53 | | Gauraw Diliprao Wadekar | 7498435135 | G.D wadekar | 10 | 05 | 15 |
| 54 | | Gayatri Prafulrao Thakare | 9359225759 | G.Thakare | 08 | 08 | 16 |
| 55 | | Gayatri Raju Lasne | 9529913601 | G.R.Lasne | 07 | 08 | 15 |
| 56 | | Gayatri Vijayrao Gharat | 7875661351 | Gharat | 09 | 07 | 16 |
| 57 | | Gunjan Ramkrushna Neware | 9579646329 | — | SLT | SLT | — |
| 58 | | Harsha Gajanan Khade | 9022867869 | Khade | 09 | 10 | 19 |
| 59 | | Hemraj Ramesh Mahanur | 7448770522 | — | SLT | SLT | — |
| 60 | | Janhvi Gajanan Nisar | 9359896404 | — | SLT | SLT | — |
| 61 | | Jay Manojrao Sakure | 7796240832 | — | SLT | SLT | — |
| 62 | | Jaya Gopalrao Neware | 9130086782 | Neware | 07 | 08 | 15 |
| 63 | | Kajal Gajananrao Solav | 9529546705 | — | SLT | SLT | — |
| 64 | | Kajal Ganeshrao Chaturkar | 7666911981 | — | SLT | SLT | — |
| 65 | | Kalpeshwari Gajananrao Bhujade | 9370667141 | — | SLT | SLT | — |
| 66 | | Kalyani Amol Kadu | 9356968560 | kalyani Kadu | 08 | 08 | 16 |
| 67 | | Kanak Rajesh Shriwas | 8080948314 | Kanak | 07 | 07 | 14 |
| 68 | | Karan Purushottam Zamare | 9623074157 | — | SLT | SLT | — |
| 69 | | Kartik Shankar Varthi | 7887371425 | — | SLT | SLT | — |
| 70 | | Maheshwari Marotrao Shivankar | 8767863774 | Shivankar | 10 | 06 | 16 |
| 71 | * | Mammarhusain M. Raheman | 9890740856 | AA | AA | AA | AA |
| 72 | | Mansi Rajendra Bansod | 9890805488 | Mansi | 08 | 08 | 16 |
| 73 | | Mayur Prakash Shende | 8600559519 | | 10 | 07 | 17 |
| 74 | | Mayur Prakashrao Doifode | 7666051013 | AA | AA | AA | AA |
| 75 | | Mayur Sanjayrao Jumbade | 7498538344 | M.S. Jumbade | 07 | 09 | 16 |
| 76 | | Mayuri Gajananrap Kaikadi | 9130720023 | — | SLT | SLT | — |
| 77 | | Mayuri Rajendra Bansod | 7558647528 | — | SLT | SLT | — |
| 78 | | Mofahim Sheikh Shameen | 7387807446 | AA | AA | AA | AA |
| 79 | | Monali Sudhirrao Samrit | 7498601820 | Samrit | 08 | 08 | 16 |



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**B.A. Part- I** **Sem - I** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 80 | | Nageshwar P. Gaygole | 9588458165 | —— | SLT | —— | |
| 81 | | Nazim Hasnur Shah | 9130556705 | N.H.Shah | 08 | 07 | 15 |
| 82 | | Neha Ramesh Kamble | 7666649776 | Neha | 08 | 08 | 16 |
| 83 | | Nikhil Maroti Kaware | 9370719549 | | 10 | 07 | 17 |
| 84 | | Nikhil Vijay Pawar | 8080033697 | N.V.Pawar | 09 | 10 | 19 |
| 85 | | Nikhita Shankar Kadu | 9322069761 | | 10 | 07 | 17 |
| 86 | | Nikita Suresh Bhoyar | 9766590884 | | 07 | 10 | 17 |
| 87 | | Niraj Madhukar Gohane | 9763169122 | | 08 | 08 | 16 |
| 88 | | Nirwani Gajanan Tokase | 8805092604 | N.G.Tokase | 07 | 08 | 15 |
| 89 | | Nishant N. Bhongade | 9067886892 | | 09 | 09 | 18 |
| 90 | | Nishikant Ashok Meshram | 9529191792 | | 09 | 09 | 18 |
| 91 | | Nitin Nareshrao Parise | 9356612236 | | 07 | 10 | 17 |
| 92 | | Om Diliprao Malode | 9822842860 | O.D.Malode | 10 | 07 | 17 |
| 93 | | Om Manoj Bhonge | 9322270419 | | 08 | 08 | 16 |
| 94 | * | Pallavi Ashokrao Kavatkar | 7620870361 | AA | AA | AA | AA |
| 95 | | Pallavi Mukundrao Thote | 8263074301 | P.M.Thote | 08 | 08 | 16 |
| 96 | | Pavan Jaganrao Bamnote | 9112843463 | —— | SLT | SLT | —— |
| 97 | | Payal Gajananrao Adamane | 9373016308 | | 07 | 08 | 15 |
| 98 | | Piyush Manohar Dhakulkar | 8698994638 | PIYUSH | 08 | 07 | 15 |
| 99 | | Prachi Ravindra Thakare | 9309565377 | —— | SLT | SLT | —— |
| 100 | | Pradip Ramkrushna Dhore | 9604724323 | —— | SLT | SLT | —— |
| 101 | | Prajakta Vijayrao Kombe | 9096629934 | P.V.Kombe | 10 | 07 | 17 |
| 102 | | Prajwal Shalikram Bante | 9370805627 | | 08 | 08 | 16 |
| 103 | | Prajwal V. Ambatkar | 8390167538 | Pambatkar | 08 | 08 | 16 |
| 104 | | Pratik Ashokrao Babhulkar | 8767928919 | | 08 | 08 | 16 |
| 105 | | Pratiksha Arun Rotekar | 9322672752 | | 07 | 08 | 15 |
| 106 | | Priyanka Pralhad Raut | 9322982691 | —— | SLT | SLT | —— |



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**B.A. Part- I** **Sem - I** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 107 | | Punam Arunrao Chaudhari | 8600289833 | Pchaudhi | 07 | 08 | 15 |
| 108 | | Punam Madhukar Neware | 9921421567 | P.M.Neware | 08 | 07 | 15 |
| 109 | | Purvesh Devidas Vaidya | 8626025323 | PVaidya | 09 | 10 | 19 |
| 110 | | Reshma S. Bhendarkar | 7058139332 | RSBhendarkar | 08 | 08 | 16 |
| 111 | | Reshma Shankar Raut | 8329773759 | RSRaut | 08 | 08 | 16 |
| 112 | | Reshma Sunilrao Khandate | 8805797804 | R.S.Khandate | 08 | 08 | 16 |
| 113 | | Ritik Ramesh Pusnake | 8767118021 | Rpusnake | 09 | 09 | 18 |
| 114 | | Rohan Dineshrao Dube | 7888188018 | R.D.Dube | 09 | 09 | 18 |
| 115 | | Rohan Pravin Hadekar | 7666945402 | Rhadekar | 10 | 08 | 18 |
| 116 | | Rohini Arunrao Khadse | 8767208330 | RKhadse | 08 | 07 | 15 |
| 117 | | Roshan Sanjayrao Dharane | 8080662921 | | 08 | 08 | 16 |
| 118 | | Roshan Shankarrao Padole | 9763154753 | Rpadole | 09 | 09 | 18 |
| 119 | | Roshan S. Chahakar | 9022249587 | — | SLT | SLT | — |
| 120 | | Rushabh Pradiprao Kale | 8208575314 | AA | AA | AA | AA |
| 121 | | Rushikesh Bhashkar Kukade | 9021732938 | RKukade | 09 | 09 | 18 |
| 122 | | Rushikesh Bhaskarrao Yetre | 9529494173 | Ryetre | 10 | 07 | 17 |
| 123 | | Rushikesh Pramod Lonkar | 9307302158 | RPL | 07 | 10 | 17 |
| 124 | | Rutuja Ramdasji Chaudhari | 7798773742 | Rchaudhari | 07 | 10 | 17 |
| 125 | | Rutvik Bhagwant Gulhane | 8767814896 | AA | AA | AA | AA |
| 126 | | Sadiyasadaf M.Zakir Husain | 9579282769 | Sadiya | 08 | 09 | 17 |
| 127 | | Sahil Kisanrao Arjune | 7420086149 | SArjune | SLT | SLT | — |
| 128 | | Sakshi Arjunrao Gedam | 7507509064 | Sgedam | 09 | 09 | 18 |
| 129 | | Sakshi Banduji Malonde | 8010315778 | S.B.Malonde | 09 | 09 | 18 |
| 130 | | Sakshi D. Bamnote | 9420713626 | Sakshi | 08 | 09 | 17 |
| 131 | | Sakshi Eknath Kamble | 9356570121 | — | SLT | SLT | — |
| 132 | | Sakshi G. Kshirsagar | 9370408377 | SKshirsagar | 07 | 10 | 17 |
| 133 | | Sakshi Kishor Kadu | 9322452175 | Sakshi K Kadu | 07 | 10 | 17 |



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B.A. Part- I

Sem - I

Subject : History

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 134 | | Sakshi Manikrao Shivankar | 9322137727 | S.M. Shivankar | 09 | 09 | 18 |
| 135 | | Sakshi Murlidhar Tighare | 8767926878 | S. M. Tighare | 08 | 09 | 17 |
| 136 | | Sakshi Nanaji Lahabar | 9689958853 | — | SLT | SLT | — |
| 137 | | Sakshi Ramesh Wadurkar | 8180872119 | S. Wadurkar | 07 | 10 | 17 |
| 138 | | Sakshi Vilas Kadam | 7350650198 | S.V. Kadam | 08 | 08 | 16 |
| 139 | | Saloni Ganesh Kamble | 9881256329 | Kamble | 07 | 10 | 17 |
| 140 | | Samir Govindrao Mudrake | 8767998254 | S Mudrake | 09 | 10 | 19 |
| 141 | | Samir Manoharrao Uike | 9552311808 | Suike | 09 | 09 | 18 |
| 142 | | Samruddhi G. Gaydhane | 7709821384 | — | SLT | SLT | — |
| 143 | | Samyak Vinod Wasnik | 9529893734 | — | SLT | SLT | — |
| 144 | | Sanchit G. Lambade | 9529860849 | — | SLT | SLT | — |
| 145 | | Sanjay Shankar Rangari | 9765786995 | — | SLT | SLT | — |
| 146 | | Sanket Dipakrao Patil | 7720887894 | SaPatil | 10 | 09 | 19 |
| 147 | | Sanket R. Chandurkar | 8262028937 | SRChandur | 10 | 07 | 17 |
| 148 | | Sarang Moreshwar Walke | 9130700742 | S.M. Walke | 08 | 09 | 17 |
| 149 | | Saurabh S. Tangade | 8999626409 | SS. Tangade | 09 | 08 | 17 |
| 150 | | Sejal Janraoji Todase | 7083463649 | — | SLT | SLT | — |
| 151 | | Sejal Suresh Gajbhiye | 8766830436 | — | SLT | SLT | — |
| 152 | * | She Naved Shenazir | 9822266962 | AA | AA | AA | AA |
| 153 | | Sheikhshoeb H. Husain | 9970608010 | Sksheab | 09 | 09 | 18 |
| 154 | | Shivani Harishrao Januskar | 8767702079 | S.H. Januskar | 10 | 07 | 17 |
| 155 | | Shivani Vijay Kakade | 9529939817 | SVKakade | 07 | 10 | 17 |
| 156 | | Shreya Gajanan Thakare | 9373879264 | — | SLT | SLT | — |
| 157 | | Shrikant Govardhan Gade | 8010898205 | S.gade | 09 | 09 | 18 |
| 158 | | Shruti R. Suryawanshi | 9860528075 | S. R. Suryawanshi | 10 | 10 | 20 |
| 159 | | Shubham P. Dhote | 7498054582 | AA | AA | AA | AA |
| 160 | | Shubham Vinod Pande | 7498482973 | RVPande | 08 | 08 | 16 |



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B.A. Part- I  Sem - I  Subject : History

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 161 | | Shubhanji G. Thakare | 9529794337 | AA | AA | AA | — |
| 162 | | Shubhanshu Mohan Jadhav | 9822262887 | S.M. Jadhav | 08 | 09 | 17 |
| 163 | | Shweta Rajendra Dube | 9975032063 | — | SLT | SLT | — |
| 164 | | Siddharth M. Thakare | 8767197454 | AA | AA | AA | AA |
| 165 | | Sneha Divakar Wankhade | 9356400242 | Wankhade | 09 | 09 | 18 |
| 166 | | Sneha Gajanan Raut | 9322043161 | S.G. Raut | 08 | 07 | 15 |
| 167 | | Snehal P. Deshmukh | 8975808336 | AA | AA | AA | AA |
| 168 | | Sonal Surendra Ghutke | 7758893790 | Ghutke | 08 | 08 | 16 |
| 169 | | Soundarya N. Sonone | 8975965017 | S.N. Sonone | 09 | 09 | 18 |
| 170 | | Sumant Rajesh Sarode | 9112661213 | [illegible] | 08 | 07 | 15 |
| 171 | | Sumedh Mahendra Katarne | 9373466721 | AA | AA | AA | AA |
| 172 | | Suraj Pramod Kawarati | 7085754798 | — | SLT | SLT | — |
| 173 | | Suraj Pramodrao Rathod | 7498280174 | Rathod | 10 | 09 | 19 |
| 174 | | Suraj Rajendra Bhoyar | 9307865561 | [illegible] | 09 | 09 | 18 |
| 175 | | Sushil Dipak Dilpe | 7448017279 | S.D. Dilpe | 10 | 09 | 19 |
| 176 | | Swapnil Sureshrao Dhoke | 8080314438 | [illegible] | 08 | 08 | 16 |
| 177 | | Swati Ramchandra Karpate | 8261809297 | S.R. Karpate | 08 | 08 | 16 |
| 178 | | Tanuja Sureshrao Bhoyar | 8308307256 | T.S. Bhoyar | 08 | 08 | 16 |
| 179 | | Tejas Diliprao Choncholkar | 9860024463 | T. Choncholkar | 08 | 08 | 16 |
| 180 | | Tejas Duryodhan Chaware | 9011598408 | [illegible] | 06 | 10 | 16 |
| 181 | | Tushar Babanrao Kusram | 7517230109 | T. Kusram | 08 | 10 | 18 |
| 182 | | Vaibhav Mohanrao Hatwar | 9689724834 | [illegible] | SLT | SLT | — |
| 183 | | Vaibhav Sunil Patmase | 9657034728 | — | SLT | SLT | — |
| 184 | | Vaishnavi Anand Bhagat | 9765447832 | Bhagat | 08 | 09 | 17 |
| 185 | | Vaishnavi Arunrao Thakare | 8483935870 | Vaishnavi | 09 | 08 | 17 |
| 186 | | Vaishnavi D. Bhajbhuje | 9322067263 | V.D. Bhajbhuje | 09 | 08 | 17 |
| 187 | | Vaishnavi Prabhakar Vaidya | 8767772925 | V.P. Vaidya | 08 | 07 | 15 |



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Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly

Summer/ Winter Examination- 2021-22

Internal Assessment

B.A. Part- I  Sem - I  Subject : History

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 188 | | Vaishnavi Sunil Tak | 7498038154 | — | SLT | SLT | — |
| 189 | | Vaishnavi U. Pendam | 9359564162 | V.U.Pendam | 08 | 08 | 16 |
| 190 | | Vaishnavi Vijay Kohare | 8446353652 | — | SLT | SLT | — |
| 191 | | Vighnesh Gajananrao Zele | 8830211223 | | SLT | SLT | — |
| 192 | * | Vijay Sudhir Mehkar | 7744932836 | AA | AA | AA | AA |
| 193 | | Vishal Vijayrao Thakare | 7821039344 | — | SLT | — | — |
| 194 | | Yash Ganeshrao Lawane | 9657059215 | — | SLT | — | — |
| 195 | | Yash Jayendra Ajmire | 8007394564 | Yash | 07 | 08 | 15 |
| 196 | | Yash R. Chambhare | 9067057404 | yash | 09 | 08 | 17 |
| 197 | | Yash Vijay Tirle | 7709883125 | Yash | 08 | 08 | 16 |
| 198 | | Yogita Mahadev Dhakulkar | 8208192932 | y.m.dhakulkar | 10 | 07 | 17 |
| 199 | * | Yogita Rameshwar Mhatre | 8262926890 | AA | AA | AA | AA |

(Dr. K.H. Bansapale)
Dept. of History



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इतिहास विभाग

**Internal Assessment (Winter -2021)**

**Home Assignment**

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**B. A. II Sem-III** Marks - 10

खालीलपैकी कोणतेही पाच प्रश्न सोडवा

१) पानिपतच्या पहिल्या लढाईचे परिणाम लिहा.

२) पानिपतच्या लढाईत बाबरच्या विजयाची करणे सांगा .

३)बाबरची कामगिरी सांगा .

४)अकबराच्या नवरत्न दरबाराचे वर्णन करा .

५)दिन-ए-इलाही धर्माबद्दल माहिती लिहा .

६)औरंगजेबाच्या धार्मिक धोरणाचे वर्णन करा.

७)मनसबदारी प्रथेचे वर्णन करा .

८)सरदार वर्गाविषयी माहिती लिहा .

९)मोगलकाळातील नागरी समाजाचे वर्णन करा.

१०)मोगलकाळातील सतीप्रथा व पडदा प्रथेचे वर्णन करा .

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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- II** **Sem - 3** **Subject : History**

| Sr. No | Roll No. | Name of the Student | Mobile No | Sign. | Marks | | Total Marks 20 |
|---|---|---|---|---|---|---|---|
| | | | | | Assignment (10) | Viva Voca (10) | |
| 1 | | Aachal Vijayrao Korde | 9881656138 | | 10 | 07 | 17 |
| 2 | | Abhishek Vinodrao Bhoyar | 9172755709 | — | SLT | — | |
| 3 | | Achal Dadarao Bharose | 9834806815 | | 09 | 09 | 18 |
| 4 | | Adesh Arvind Kakade | 8698711902 | | 10 | 05 | 15 |
| 5 | | Aditya Gajanan Thakare | 8149774922 | | 08 | 08 | 16 |
| 6 | | Akanksha Sunil Charde | 8767318625 | | 09 | 08 | 17 |
| 7 | | Akash Bhimrao Wankhade | 9527402083 | | 09 | 07 | 16 |
| 8 | | Akash Govindrao Mahure | 7843064099 | | 08 | 07 | 15 |
| 9 | | Akshay Govindrao Hendve | 9511293519 | | 09 | 08 | 17 |
| 10 | | Akshay Omprakash Kumre | 8975222009 | AA | AA | AA | AA |
| 11 | | Akshay Pravin Titare | 9011303628 | — | SLT | SLT | — |
| 12 | | Amar Avinash Kambe | 9359522286 | | 09 | 08 | 17 |
| 13 | | Aniket Prakashrao Raut | 8888122739 | | 09 | 08 | 17 |
| 14 | | Ankita Tanba Mahanur | 7378782185 | — | SLT | SLT | — |
| 15 | | Ankush Rajkumar Zele | 8329276520 | | 09 | 08 | 17 |
| 16 | | Badal Sunil Mudrake | 9307729766 | | 09 | 09 | 18 |
| 17 | | Chetan Bhashkar Dhurve | 9322657029 | | 10 | 09 | 19 |
| 18 | | Chhakuli Ganesh Ghodkhande | 9923608011 | | 09 | 08 | 17 |
| 19 | | Deepak Ravindra Tadas | 9146851007 | AA | AA | AA | AA |
| 20 | | Dipali Rundan Pawar | 9834146192 | | 09 | 08 | 17 |
| 21 | | Gaurav Pravin Dhote | 9049081904 | | 09 | 07 | 16 |
| 22 | | Gaurav Shamsunder Shendre | 9284376624 | | 09 | 08 | 17 |
| 23 | | Harshad Sanjay Bansod | 8379819822 | | 07 | 08 | 15 |
| 24 | | Hemant Ramesh Kapse | 8605040419 | | 09 | 08 | 17 |
| 25 | | Hiranya Manikchand Chaware | 9579673588 | | 08 | 08 | 16 |



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**Internal Assessment**

**B.A. Part- II** **Sem - 3** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | | Kamal Manoharrao Thakare | 9307186962 | — | SLT | — | — |
| 27 | | Kanchan Ramesh Dhawale | 9096875973 | — | SLT | — | — |
| 28 | | Karishma Rajesh Gupta | 9960712013 | K.R.Gupta | 09 | 08 | 17 |
| 29 | | Kunal Rajendra Sawant | 9067712608 | | 07 | 08 | 15 |
| 30 | | Lukesh Devidas Dhurve | 7218099825 | | 09 | 08 | 17 |
| 31 | | Maithili Vitthalrao Vaidya | 9822054206 | | 09 | 07 | 16 |
| 32 | | Mayuri Dyaneshwarrao Choudhari | 8888020988 | AA | AA | AA | AA |
| 33 | | Megha Pramodrao Sahare | 9370330487 | | 10 | 09 | 19 |
| 34 | | Minal Sanjay Udakhe | 9822818636 | | 09 | 08 | 17 |
| 35 | | Muskanparvin Shekh Maheboob | 7448233145 | — | SLT | SLT | — |
| 36 | | Namrata Mahendra Tokse | 9370700329 | — | SLT | SLT | — |
| 37 | | Neha Diwakar Lambade | 8830421256 | — | SLT | SLT | — |
| 38 | | Nikhil Anantrao Bawangade | 9579106048 | | 09 | 08 | 17 |
| 39 | | Onkar Ganesh Bagde | 9307934879 | | 10 | 09 | 19 |
| 40 | | Pallavi Haridas Kumare | 7038755876 | | 09 | 08 | 17 |
| 41 | | Pallavi Rameshrao Khadatkar | 9765781494 | | 08 | 09 | 17 |
| 42 | | Pallavi Shamrao Chavhan | 9637968366 | | 09 | 10 | 19 |
| 43 | | Payal Rajendra Mankar | 8552998727 | — | SLT | SLT | — |
| 44 | | Prabodh Pundlik Mun | 9021897150 | | 09 | 08 | 17 |
| 45 | | Prachi Ashokrao Bagwale | 9881758531 | | 08 | 09 | 17 |
| 46 | | Prajval Gajanan Sakharkar | 9067485359 | | 09 | 08 | 17 |
| 47 | | Prajwal Gurudevji Tambe | 7620574076 | | 09 | 10 | 19 |
| 48 | | Prajwal Vijay Chavhan | 9356415818 | | 08 | 08 | 16 |
| 49 | | Pranav Gajanan Sakharkar | 9075206857 | | 07 | 08 | 15 |
| 50 | | Pranoti Amolrao Bhosale | 7666163893 | | 09 | 07 | 16 |
| 51 | | Prashant Pramod Susatkar | 9175617628 | AA | AA | AA | AA |
| 52 | | Prashik Dnyaneshwar Wankhade | 9420123015 | | 08 | 07 | 15 |



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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- II** **Sem - 3** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 53 | | Prathmesh Raju Bhujade | 7758028602 | | 09 | 08 | 17 |
| 54 | | Pratik Sanjay Devgade | 7028345851 | | 08 | 07 | 15 |
| 55 | | Pratik Yashwantrao Bhendarkar | 8262827581 | | 09 | 10 | 19 |
| 56 | | Pratiksha Ambadas Chawade | 9011903639 | | 07 | 08 | 15 |
| 57 | | Pratiksha Gajanan Urkude | 8390451255 | | SLT | SLT | -SLT- |
| 58 | | Prem Gajananrao Gawai | 9561934621 | | 09 | 08 | 17 |
| 59 | | Priyanka Prakashrao Kamdi | 9130849692 | | 09 | 07 | 16 |
| 60 | | Radha Pratapsing Chavhan | 9158599377 | | 08 | 08 | 16 |
| 61 | | Rakhi Ravindra Vaidya | 7057921872 | | SLT | SLT | -SLT- |
| 62 | | Ratan Amarsing Rane | 9325539460 | | 08 | 07 | 15 |
| 63 | | Rina Nareshrao Malave | 7385954372 | | 07 | 07 | 14 |
| 64 | | Rinku Banduji Ghutke | 9022831244 | | SLT | SLT- | — |
| 65 | | Rupali Gajananrao Kale | 9049503420 | | SLT | SLT- | — |
| 66 | | Rupesh Prakash Thakare | 9552716411 | | SLT | SLT | — |
| 67 | | Sakshi Anil Godbole | 9881303590 | | 07 | 08 | 15 |
| 68 | | Sanaaafrin Rajikkhan Pathan | 8055455610 | | 08 | 08 | 16 |
| 69 | | Sanket Bhashkar Singnapure | 9359471932 | | 09 | 07 | 17 |
| 70 | | Sanket Vinodrao Kale | 9146501641 | AA | AA | AA | AA |
| 71 | | Sejal Pramod Sahare | 9960141735 | | 09 | 08 | 17 |
| 72 | | Shivam Pradiprao Gandole | 9322196264 | | SLT | SLT | — |
| 73 | | Shivani Bhojraj Ramteke | 9921964198 | | SLT | SLT- | — |
| 74 | | Shreya Khemraj Tupsundare | 9325321649 | | 07 | 08 | 15 |
| 75 | | Shubham Pradip Nandane | 9890548065 | | 08 | 09 | 17 |
| 76 | | Shubham Yogesh Pol | 8208667603 | | 09 | 07 | 16 |
| 77 | | Simran Anil Tulaskar | 9119481653 | | 08 | 07 | 15 |
| 78 | | Simran Diliprao Durge | 9730345432 | | 09 | 08 | 17 |
| 79 | | Snehal Shridhar Pataliya | 8788041354 | | 08 | 05 | 13 |



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**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- II** **Sem - 3** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 80 | | Soham Prakash Mandavgane | 7972620884 | | 08 | 08 | 16 |
| 81 | | Sujata Marotirao Dhokane | 9022741415 | | 07 | 07 | 14 |
| 82 | | Sumayyafirdos Sheikh Khalil | 9767174313 | | 09 | 08 | 17 |
| 83 | | Suraj Bhaskarrao Waghmare | 9356317397 | | 09 | 07 | 16 |
| 84 | | Suvarna Vijayrao Vanjari | 9325846276 | | 08 | 08 | 16 |
| 85 | | Swapnil Balram Ingole | 9370064985 | | 09 | 08 | 17 |
| 86 | | Tejas Gajanan Bhoyar | 7798592504 | | 08 | 07 | 15 |
| 87 | | Tushar Purushottam Fuke | 9145439800 | | 07 | 09 | 16 |
| 88 | | Vaibhav Prakash Thakare | 7066948323 | | 10 | 09 | 19 |
| 89 | | Vaishnavi Balkrushna Ekonkar | 9579345799 | | 09 | 08 | 17 |
| 90 | | Vaishnavi Dnyaneshwar Navrange | 9322143559 | — | SLT | SLT- | — |
| 91 | | Vaishnavi Gajananrao Khandate | 9765881891 | | 09 | 08 | 17 |
| 92 | | Vaishnavi Gulabrao Rathod | 8308512316 | | 09 | 07 | 16 |
| 93 | | Vaishnavi Keshavrao Ghodke | 8767356612 | | 08 | 09 | 17 |
| 94 | | Vaishnavi Kisan Choudhari | 7057402082 | | 09 | 08 | 17 |
| 95 | | Vaishnavi Sunilrao Kakde | 9096625931 | | 10 | 09 | 19 |
| 96 | | Vikas Shalikram Pawar | 9075439543 | | 09 | 08 | 17 |
| 97 | | Vikky Premchand Suryawanshi | 7758802747 | — | SLT | SLT- | — |
| 98 | | Vishal Arunrao Ramgavkar | 7447667718 | | 09 | 08 | 17 |
| 99 | | Vishal Harihar Raut | 7743924166 | | 08 | 09 | 17 |
| 100 | | Vishal Vikas Rupawane | 7517491720 | | 10 | 09 | 19 |
| 101 | | Vivek Dattatray Tayde | 7775906469 | | 09 | 09 | 18 |
| 102 | | Yash Ghanshyam Choudhari | 8669212069 | | 09 | 07 | 16 |
| 103 | | Yash Pritam Gawande | 8766971842 | | 08 | 08 | 16 |

Dr. K.H. Bargahi
Dept. of History

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इतिहास विभाग

**Internal Assessment (Winter -2021)**

**Home Assignment**

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**B. A. III Sem- V** Marks 10

खालीलपैकी कोणतेही पाच प्रश्न सोडवा

१) फ्रेंच राज्यक्रांतीची कोणतीही दोन करणे लिहा.

२) फ्रेंच राज्यक्रांतीचे कोणतेही दोन परिणाम लिहा.

३) कैसर विल्यम पहिल्याची कामगिरी लिहा .

४) ~~बिस्मार्कच्या विदेशी धोरणाची मूळे लिहा~~.

५) पहिल्या महायुद्धाची कोणतीही दोन कारणे लिहा.

६) पहिल्या महायुद्धाची कोणतीही दोन परिणाम लिहा .

७) राष्ट्रसंघाची रचना लिहा.

८) राष्ट्रसंघाच्या सचिवालयाचे वर्णन करा .

९) पहिल्या महायुद्धात अमेरिकेने प्रवेश का केला?

१०)वुल्ड्रो विल्सनची १४ तत्वे स्पष्ट करा .

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**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- III** **Sem – 5** **Subject : History**

| Sr. No | Roll No. | Name of the Student | Mobile No | Sign. | Marks | | Total Marks 20 |
|---|---|---|---|---|---|---|---|
| | | | | | Assignment (10) | Viva Voca (10) | |
| 1 | | Achal Balubhau Bhoyar | 9130188474 | | 09 | 09 | 18 |
| 2 | | Achal Namdev Aurangpure | 9860691211 | | 08 | 07 | 15 |
| 3 | | Achal Nareshrao Neware | 9503570781 | 15 | SLT | — | — |
| 4 | | Achal Prakash Shende | 8698749015 | | 07 | 08 | 15 |
| 5 | | Afroj Liyakat Ali | 8806102496 | | 08 | 09 | 17 |
| 6 | | Akash Charandas Shendre | 9665305684 | | 09 | 09 | 18 |
| 7 | | Akash Rajendrarao Mahatme | 7798692552 | | 09 | 08 | 17 |
| 8 | | Akshay Shankar Bande | 73875886637 | | 09 | 09 | 18 |
| 9 | | Aman Mukesh Borkar | 8308009967 | | 10 | 09 | 19 |
| 10 | | Ankita Prakash Tale | 7058252171 | | 09 | 09 | 18 |
| 11 | | Ankita Vijay Uprikar | 9527676619 | | 10 | 09 | 19 |
| 12 | | Ankush Gajanan Khade | 7775926113 | | 09 | 09 | 18 |
| 13 | | Anuj Ashok Waghmare | 7620343841 | | 09 | 08 | 017 |
| 14 | | Arpita Yadavrao Pandharam | 9689789255 | | 09 | 08 | 17 |
| 15 | | Bablu Inayattulla Sheikh | 9798668434 | | 07 | 08 | 15 |
| 16 | | Bhagyashri Ganesh Kathane | 7057642282 | | 09 | 07 | 16 |
| 17 | | Bhavika Vilas Dongare | 8637702486 | | 09 | 08 | 17 |
| 18 | | Chanchal Santoshrao Chaudhari | 8888648803 | | 09 | 09 | 18 |
| 19 | | Chetan Nareshrao Sawant | 7038660978 | | 09 | 08 | 17 |
| 20 | | Chetan Rambhuji Bhendarkar | 9359790917 | | 10 | 09 | 19 |
| 21 | | Chetan Santoshrao Upase | 9096054673 | | 09 | 09 | 18 |
| 22 | | Dewyani Manoj Warkad | 9960775256 | | 09 | 07 | 17 |
| 23 | | Diksha Ashokrao Meshram | 9960791948 | | 08 | 08 | 16 |
| 24 | | Diksha Sunilrao Bansod | 9172622971 | - AA - | AA | AA | AA |
| 25 | | Divya Prakash Jarudkar | 7796561101 | | 09 | 08 | 17 |



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**Internal Assessment**

**B.A. Part- III** **Sem – 5** **Subject : History**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | | Divya Shankarrao Meshram | 9850584015 | | 07 | 08 | 15 |
| 27 | | Dnyaneshwari Devanand Kaikadi | 9552770790 | D Kaikad | 08 | 07 | 15 |
| 28 | | Ganesh Babanrao Chincholkar | 9190442074 | G.B.C | 09 | 09 | 18 |
| 29 | | Gaurav Charandas Mendhe | 8805255160 | | 09 | 08 | 17 |
| 30 | | Gauri Nandlal Kuril | 9960856421 | G.N.Kuril | 07 | 07 | 14 |
| 31 | | Gayatri Padmakar Mehkar | 9022405726 | G.P.mehkar | 09 | 10 | 19 |
| 32 | | Hemant Jalindar Kambale | 7083936437 | | 09 | 08 | 17 |
| 33 | | Hemant Raju Gothane | 7420855020 | | 08 | 09 | 17 |
| 34 | | Jaya Sadashiv Jamre | 9850818166 | | 09 | 09 | 18 |
| 35 | | Jayant Sharadrao Rawekar | 9011538361 | | 09 | 08 | 17 |
| 36 | | Kajal Dhyaneshwar Shende | 9607757484 | AA | AA | AA | AA |
| 37 | | Kajal Mukundrao Taktode | 9552305894 | | 09 | 09 | 18 |
| 38 | | Kajal Sureshrao Raut | 8007380255 | | 05 | 05 | 10 |
| 39 | | Karishma Janrao Todase | 9011300404 | | 09 | 08 | 17 |
| 40 | | Kartik Ramdas Mandavgane | 7666096428 | | 08 | 08 | 16 |
| 41 | | Kashif Jaka Moh.Abid | 8605108442 | | 09 | 07 | 16 |
| 42 | | Kiran Rameshwar Madame | 8379857537 | | 09 | 09 | 18 |
| 43 | | Kirti Bharatrao Borkute | 9970424112 | | 07 | 07 | 14 |
| 44 | | Krutika Ashokrao Dube | 8698722480 | K.A dube | 08 | 08 | 16 |
| 45 | | Lokesh Anil Mandalwar | 7073410197 | | 09 | 08 | 17 |
| 46 | | Lokesh Satish Dhamande | 9011220947 | Lokesh. | 09 | 08 | 17 |
| 47 | | Majahar Akbar Shekh | 7057500311 | | 08 | 08 | 16 |
| 48 | | Manasi Sharad Kale | 9284704809 | | 09 | 08 | 17 |
| 49 | | Manish Sanjayrao Mate | 7709648504 | | 09 | 08 | 17 |
| 50 | | Mayuri Himmatrao Armal | 9923060366 | ——— | SLT | ——— | |
| 51 | | Megha Surendra Chaudhari | 7507866026 | | 08 | 08 | 17 |
| 52 | | Minal Vinodrao Chaudhari | 9130823895 | | 09 | 09 | 18 |



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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
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**Internal Assessment**

**B.A. Part- III** **Sem – 5** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 53 | | Mohini Krushna Walke | 7744940376 | Mkwalke | 09 | 09 | 18 |
| 54 | | Nayan Rajeh Bhoyar | 9623428119 | NBhoyar | 09 | 08 | 17 |
| 55 | | Neha Suresh Wasu | 7719878190 | N.S.Wasu | 08 | 08 | 16 |
| 56 | | Nikhil Mukundrao Halmare | 7218499512 | NKH | 07 | 09 | 16 |
| 57 | | Nikita Babarao Shende | 9096698355 | NBshende | 09 | 09 | 18 |
| 58 | | Pallavi Rajesh Jumale | 8550956147 | Pallavi | 09 | 09 | 18 |
| 59 | | Pallavi Vijay Rajgire | 9527119732 | Rajgire | 08 | 09 | 17 |
| 60 | | Papish Arunrao Atram | 7620542321 | Atram | 09 | 08 | 17 |
| 61 | | Pragati Sadashivrao Soyam | 8080812787 | P Soyam | 08 | 09 | 17 |
| 62 | | Prajwal Gajananrao Chimurkar | 8805784288 | [illegible] | 09 | 10 | 19 |
| 63 | | Prajwal Nandkishor Gadkari | 9765512419 | P.N.Gadkari | 09 | 09 | 18 |
| 64 | | Prajwal Vasantrao Himane | 9579677437 | [illegible] | 10 | 09 | 19 |
| 65 | | Pranali Ashokrao Warghat | 8308679349 | Warghat | 05 | 09 | 14 |
| 66 | | Pranjali Ramdas Saw | 9673458114 | Saw | 09 | 08 | 17 |
| 67 | | Prashant Devraoji Ghodkhande | 8459314698 | Ghodkhande | 09 | 09 | 18 |
| 68 | | Pratiksha Kishor Thawale | 9049647554 | P.K.Thawale | 09 | 09 | 18 |
| 69 | | Pratiksha Rajendra Uke | 95035114509 | Uke | 08 | 08 | 16 |
| 70 | | Pratiksha Sanjayrao Bankar | 9112446344 | P. Bankar | 07 | 07 | 14 |
| 71 | | Pratiksha Suresh Tayade | 9689163589 | Tayade | 09 | 09 | 18 |
| 72 | | Priyanka Purushottam Khandare | 8600650037 | PKhandare | 10 | 09 | 19 |
| 73 | | Priyanka Sanjay Parkhande | 8390780094 | Parkhande | 08 | 09 | 17 |
| 74 | | Puja Tulshidas Jagtap | 7875011013 | P.T. Jagtap | 09 | 09 | 18 |
| 75 | | Rohan Rajendra Chaudhari | 9765290237 | Rohan | 10 | 09 | 19 |
| 76 | | Rohini Prakash Shilam | 9552189648 | R.P.Shilam | 08 | 08 | 16 |
| 77 | | Roshan Anilrao Borkar | 7028430548 | R Borkar | 08 | 09 | 17 |
| 78 | | Roshan Subhashrao Dautpure | 7620992483 | [illegible] | 09 | 09 | 18 |
| 79 | | Roshni Madhukarrao Rathod | 9011957712 | RMRathod | 09 | 10 | 19 |



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**Internal Assessment**

**B.A. Part- III** **Sem – 5** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 80 | | Rushabh Madhukarrao Gohane | 9763169121 | | 07 | 08 | 15 |
| 81 | | Rushikesh Dharmapal Khadse | 7620947681 | R.D.Khadse | 09 | 08 | 16 |
| 82 | | Saher Shakir Khan | 9767090191 | | 09 | 09 | 18 |
| 83 | | Sakshi Dnyaneshwarrao Karlekar | 7057676406 | | 09 | 09 | 18 |
| 84 | | Sakshi Gajanan Kakde | 9545817466 | | 07 | 06 | 13 |
| 85 | | Sakshi Rajendra Thakare | 9525257104 | | 07 | 08 | 15 |
| 86 | | Sakshi Ramesh Chokhat | 9763288297 | | 09 | 07 | 16 |
| 87 | | Samiksha Anantrao Mohod | 7262891848 | | 08 | 08 | 16 |
| 88 | | Samiksha Raju Kohale | 9823563609 | | 09 | 09 | 18 |
| 89 | | Samiksha Sunil Vilayatkar | 8530785851 | | 09 | 08 | 17 |
| 90 | | Samir Divakar Shinde | 8378826738 | | 08 | 08 | 16 |
| 91 | | Samyak Kiranrao Dahat | 7793985183 | | 07 | 07 | 14 |
| 92 | | Sanjivani Gajanan Thakare | 9921018318 | S.G.Thakare | 09 | 09 | 18 |
| 93 | | Satish Pramodrao Masodkar | 9766905749 | | 09 | 10 | 19 |
| 94 | | Satyajit Gajanan Jagtap | 7057596619 | S.Jagtap | 08 | 08 | 16 |
| 95 | | Saurabh Gajananrao Dongre | 8600459631 | | 07 | 07 | 14 |
| 96 | | Shekh Rajik Shekhhafij | 8308758319 | | 09 | 08 | 17 |
| 97 | | Shilpa Shridhar Dhanke | 7888277925 | | 09 | 09 | 18 |
| 98 | | Shital Sanjay Giri | 7719835289 | | 09 | 07 | 16 |
| 99 | | Shrutika Gunawantrao Bhasme | 9172685154 | | 06 | 08 | 14 |
| 100 | | Shubham Raju Khadse | 9172233934 | | 07 | 09 | 16 |
| 101 | | Shweta Shankarrao Dabhade | 9096199623 | | 09 | 09 | 18 |
| 102 | | Sneha Subhash Bhoyar | 7620254382 | | 08 | 08 | 16 |
| 103 | | Sonali Keshavrao Shivankar | 9022458354 | | 3LT | — | — |
| 104 | | Sonam Ashok Bachchhraj | 7666735026 | | 09 | 08 | 17 |
| 105 | | Suchit Khemraj Tupsundare | 9834329105 | | 09 | 07 | 16 |
| 106 | | Sudhir Ganeshrao Motghare | 9730176421 | | 09 | 07 | 16 |



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**B.A. Part- III** **Sem – 5** **Subject : HISTORY**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 107 | | Switi Dinesh Gadling | 8605387764 | sGadling | 09 | 09 | 18 |
| 108 | | Tanuja Sharad Singrol | 9975279121 | Singrol | 08 | 07 | 15 |
| 109 | | Tejas Prakash Tayde | 7620196508 | T.P.Tayde | 09 | 09 | 18 |
| 110 | | Tejas Pralhadrao Meshram | 9011469155 | Tejas Meshram | 08 | 08 | 16 |
| 111 | | Tejashree Pravin Rane | 8669362583 | Rane | 09 | 09 | 18 |
| 112 | | Umesh Haridas Ramteke | 75171736347 | Ramteke | 10 | 09 | 19 |
| 113 | | Vaishali Rameshrao Tayade | 9545667385 | Tayade | 09 | 10 | 19 |
| 114 | | Vaishnavi Digambar Nandurkar | 7499920764 | Vaishnavi | 08 | 08 | 16 |
| 115 | | Vaishnavi Pravin Shastrakar | 9890698356 | V.P.Shastrakar | 09 | 09 | 18 |
| 116 | | Vaishnavi Ramesh Dole | 9834655619 | Dole | 09 | 09 | 18 |
| 117 | | Vaishnavi Rameshrao Nakshane | 9370398119 | Vaishnavi | 07 | 09 | 16 |
| 118 | | Vaishnavi Sureshrao Borkute | 7038120400 | Borkute | 08 | 07 | 15 |
| 119 | | Vaishnavi Vilasrao Gedam | 9579168683 | Gedam | 09 | 07 | 16 |
| 120 | | Vaishnvi Surendrarao Mankar | 7709968230 | Mankar | 08 | 08 | 16 |
| 121 | | Virendra Ashokrao Sarave | 8668700478 | Sarave | 07 | 07 | 14 |
| 122 | | Vishwabhushan Vinodrao Borkar | 8483975813 | Borkar | 09 | 08 | 17 |
| 123 | | Vrushabh Narayan Raut | 9359076728 | Vrushabh | 09 | 09 | 18 |
| 124 | | Vrushali Gajanan Raut | 9730417887 | AA | AA | AA | AA |
| 125 | | Yash Krushnaji Wankhade | 9172630927 | Yashwankhade | 09 | 08 | 17 |
| 126 | | Yogesh Umeshrao Asole | 9350758955 | Asole | 09 | 09 | 18 |
| 127 | | Yogita Bhimraoji Wankhade | 7249445062 | Wankhade | 08 | 08 | 16 |
| 128 | Rohit Eshanrao Tohate 9307073641 | | | R.E.Gohatre | 08 | 09 | 17 |
| | Aniket Vike · sem-VI - BA·III | | | Vike | 09 | 07 | 16 |

Dr. K. H. Barapale
Dept. of History

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आदर्श विज्ञान , ज.भा .कला व बिर्ला वाणिज्य महाविद्यालय, धामणगाव रेल्वे.

इतिहास विभाग (सत्र २०२१-२२)

दिनांक- २० .०४ .२०२२

## सूचना

बी.ए. भाग -१, २ व ३ च्या इतिहास विषयाच्या सर्व विद्यार्थ्यांना सुचित करण्यात येते की, आपले असाइनमेंट खालील वेळापत्रकानुसार दिलेल्या तारखेच्या आत इतिहास विभागात जमा करावे, तसेच सदर तारखेला अभ्यासक्रमावर आधारित मौखिक परिक्षा(Viva) घेण्यात येईल. असाइनमेंट करिता १० गुण आणि मौखिक परीक्षेकरीता (Viva) १० गुण असे एकूण २० गुण राहतील याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.

बी.ए. भाग १ - सत्र २ ----- दिनांक- २८ ,२९ एप्रिल २०२२

बी.ए. भाग-२-सत्र ४ ---- दिनांक ४, ५ मे २०२२

बी. ए. भाग -३-सत्र ६ ----दिनांक ६, ७ मे २०२२.

तरी सर्व विद्यार्थ्यांनी दिलेल्या तारखेनुसार असाइंनमेंट जमा करावे.

विभाग प्रमुख
इतिहास विभाग
आदर्श महाविद्यालय, धामणगाव रेल्वे.

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आदर्श विज्ञान, जे.बी.कला व बिरला वाणिज्य महाविद्यालय, धामणगाव रेल्वे

इतिहास विभाग

**Internal Assessment (Summer-2022)**

**Home Assignment**

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**B. A. –I Sem-II** Marks - 10

खालीलपैकी कोणतेही पाच प्रश्न सोडवा

१) कुतुबुदधीन एबकची कामगिरी लिहा.

२) रझिया सुलतानाच्या कामगिरीचे वर्णन करा .

३)बल्बनचा राजपदाचा सिद्धांत स्पष्ट करा.

४)अल्लाउद्दीन खिलजीच्या प्रशासकीय धोरणाचे वर्णन करा.

५) अल्लाउद्दीन खिलजीच्या आर्थिक धोरणाचे वर्णन करा.

६)महंमद तुघलकच्या विविध योजना सांगा.

७) तैमुरलंगच्या आक्रमनाचे परिणाम लिहा.

८)विजयनगर साम्राज्य काळातील सामाजिक जीवनाचे वर्णन करा.

९)सुलतानशाहीच्या पतनाची करणे सांगा

१०) सुलतानशाही कालखंडातील स्त्रियांचा सामाजिक दर्जा सांगा.

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**Internal Assessment**

**B.A. Part- I** **Sem - II** **Subject : History**

| Sr. No | Roll No. | Name of the Student | Mobile No | Sign. | Marks | | Total Marks 20 |
|---|---|---|---|---|---|---|---|
| | | | | | Assignment (10) | Viva Voca (10) | |
| 1 | | Aafatafkha Aafajalkha Pathan | 7666130257 | Afathan | 08 | 08 | 16 |
| 2 | | Aakanksha Ramesh Aamale | 8767081462 | | 10 | 08 | 18 |
| 3 | | Aakash Rajkumar Manke | 7549317987 | A.R.Manke | 06 | 05 | 11 |
| 4 | | Aarti Arun Vairagade | 8669845403 | A.A.Vairagade | 09 | 06 | 15 |
| 5 | | Aarti Digambar Kaikadi | 7030480725 | Akaikadi | 07 | 10 | 17 |
| 6 | | Abhay Rajendra Dube | 9975032063 | A.R.Dube | 09 | 08 | 17 |
| 7 | | Abhijit Sanjay Lanjewar | 8766883163 | AA | AA | AA | AA |
| 8 | | Abhijit Shivcharan Shelke | 9665429590 | As.shelke | 09 | 07 | 16 |
| 9 | | Abhijit Sudhakar Dahake | 9834168251 | AA | AA | AA | AA |
| 10 | | Abhishek Devidas Gomase | 8983104739 | -SLT- | -SLT- | -SLT- | -SLT- |
| 11 | | Abhishek R. Thakare | 8788478699 | -SLT- | -SLT- | -SLT- | -SLT- |
| 12 | | Aftab Chandkhan Pathan | 7796794374 | A.C.Patha | 09 | 08 | 17 |
| 13 | | Aishwarya S. Junewal | 9359687419 | A.S.Junewal | 08 | 09 | 17 |
| 14 | | Ajay Nitin Bhure | 9307447538 | Abhure | 10 | 07 | 17 |
| 15 | | Ajay Satish Daware | 7249833802 | -SLT- | -SLT- | -SLT- | -SLT- |
| 16 | | Akshay Sanjay Gawai | 8767019073 | A.S.Gawai | 08 | 08 | 16 |
| 17 | | Alfiya Yakubkhan Pathan | 9403094598 | Apathan | 09 | 08 | 17 |
| 18 | | Aniket Bharat Kadam | 7666147926 | -SLT- | -SLT- | -SLT- | -SLT- |
| 19 | | Aniket Santosh Gondhale | 380982037 | A.S.Gondhale | 10 | 08 | 18 |
| 20 | | Aniket Shrikrushna Dhage | 8262098682 | AA | AA | AA | AA |
| 21 | | Aniket Vikasrao Kale | 8080324344 | -SLT- | -SLT- | -SLT- | -SLT- |
| 22 | | Anjali Manoj Raut | 8668744739 | A.M.Raut | 10 | 08 | 18 |
| 23 | | Ankita Kisanrao Raut | 8390287566 | -SLT- | -SLT- | -SLT- | -SLT- |
| 24 | | Ankush Mahenderrao Kadam | 7666921580 | Akadam | 08 | 09 | 17 |
| 25 | | Anukul Hareshrao Sontakke | 9975259432 | -SLT- | -SLT- | -SLT- | -SLT- |



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**B.A. Part- I** **Sem - II** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | | Anushka Sadashiv Pawar | 8788639179 | | 09 | 07 | 16 |
| 27 | | Arti Pandurang Savalikar | 9322330285 | -SLT- | -SLT- | -SLT- | -SLT- |
| 28 | | Arun Dashrath Wankhade | 9325708363 | | 08 | 09 | 17 |
| 29 | | Atul Ramesh Pawar | 9130256551 | | 08 | 08 | 16 |
| 30 | | Avinash Kisanrao Maliye | 9356518941 | | 07 | 08 | 15 |
| 31 | | Avinash Vinod Raut | 8459468441 | | 08 | 06 | 14 |
| 32 | | Ayush Santosh Waghmare | 7774836181 | | 09 | 09 | 18 |
| 33 | | Bhumeshwari S. Thombare | 8767405547 | | 10 | 10 | 20 |
| 34 | | Bhumishwari R. Thakare | 8767589202 | | 09 | 10 | 19 |
| 35 | | Chanchal Umeshrao Bhagat | 8668678197 | | 08 | 09 | 17 |
| 36 | | Chetan Ganpatrao Uike | 7796720797 | -SLT- | -SLT- | -SLT- | -SLT- |
| 37 | | Chetan R. Chaudhari | 7038867554 | -SLT- | -SLT- | -SLT- | -SLT- |
| 38 | | Damini Sanjayrao Gawande | 9359960639 | | 08 | 08 | 16 |
| 39 | | Darshan Dineshrao Kaurati | 7038195852 | | 07 | 08 | 15 |
| 40 | | Darshana Keshavrao Ghodke | 8766626383 | | 09 | 09 | 18 |
| 41 | | Deep Amol Gayakwad | 8459168992 | | 07 | 07 | 14 |
| 42 | | Deep Sanjay Belonkar | 7758954631 | | 09 | 10 | 19 |
| 43 | | Dharmesh M. Kondhekar | 9146132757 | | 07 | 06 | 13 |
| 44 | | Dhiraj Arun Dhurve | 9307820724 | -SLT- | -SLT- | -SLT- | -SLT- |
| 45 | | Dhiraj Marotrao Mokashe | 9307892746 | | 08 | 09 | 17 |
| 46 | | Diksha Marotrao Maraskolhe | 8459609996 | | 09 | 09 | 18 |
| 47 | | Divya Gajanan Kamdi | 8262080775 | AA | AA | AA | AA |
| 48 | | Divya M. Chafalekar | 8421455435 | | 08 | 09 | 17 |
| 49 | | Divya Manoj Wankhade | 9657617531 | divya wankhade | 09 | 08 | 17 |
| 50 | | Dnyaneshwari V. Katode | 8459595660 | | 08 | 09 | 17 |
| 51 | | Durga Shamrao Zore | 9284165573 | -SLT- | -SLT | -SLT- | -SLT- |
| 52 | | Gaurav Raju Dhurve | 8180923874 | | 08 | 06 | 14 |



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**B.A. Part- I** **Sem - II** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 53 | | Gauraw Diliprao Wadekar | 7498435135 | | 08 | 08 | 16 |
| 54 | | Gayatri Prafulrao Thakare | 9359225759 | | 08 | 09 | 17 |
| 55 | | Gayatri Raju Lasne | 9529913601 | G.R.Lasane | 08 | 09 | 17 |
| 56 | | Gayatri Vijayrao Gharat | 7875661351 | | 08 | 08 | 16 |
| 57 | | Gunjan Ramkrushna Neware | 9579646329 | -SLT- | -SLT- | -SLT- | SLT- |
| 58 | | Harsha Gajanan Khade | 9022867869 | | 09 | 10 | 19 |
| 59 | | Hemraj Ramesh Mahanur | 7448770522 | -SLT- | -SLT- | SLT- | SLT- |
| 60 | | Janhvi Gajanan Nisar | 9359896404 | | -SLT- | -SLT- | SLT- |
| 61 | | Jay Manojrao Sakure | 7796240832 | -SLT- | -SLT- | -SLT- | -SLT- |
| 62 | | Jaya Gopalrao Neware | 9130086782 | | 08 | 09 | 17 |
| 63 | | Kajal Gajananrao Solav | 9529546705 | -SLT- | -SLT- | -SLT- | -SLT- |
| 64 | | Kajal Ganeshrao Chaturkar | 7666911981 | -SLT- | -SLT- | -SLT- | -SLT- |
| 65 | | Kalpeshwari Gajananrao Bhujade | 9370667141 | -SLT- | -SLT- | -SLT- | -SLT- |
| 66 | | Kalyani Amol Kadu | 9356968560 | | 08 | 08 | 16 |
| 67 | | Kanak Rajesh Shriwas | 8080948314 | | 08 | 09 | 17 |
| 68 | | Karan Purushottam Zamare | 9623074157 | -SLT- | -SLT- | -SLT- | -SLT- |
| 69 | | Kartik Shankar Varthi | 7887371425 | -SLT- | -SLT- | -SLT- | -SLT- |
| 70 | | Maheshwari Marotrao Shivankar | 8767863774 | | 08 | 09 | 17 |
| 71 | | Mammarhusain M. Raheman | 9890740856 | AA | AA | AA | AA |
| 72 | | Mansi Rajendra Bansod | 9890805488 | | 09 | 09 | 18 |
| 73 | | Mayur Prakash Shende | 8600559519 | | 09 | 08 | 17 |
| 74 | | Mayur Prakashrao Doifode | 7666051013 | | 07 | 05 | 12 |
| 75 | | Mayur Sanjayrao Jumbade | 7498538344 | M. Jumbade | 09 | 08 | 17 |
| 76 | | Mayuri Gajananrap Kaikadi | 9130720023 | -SLT- | -SLT- | -SLT- | -SLT- |
| 77 | | Mayuri Rajendra Bansod | 7558647528 | -SLT- | -SLT- | -SLT- | -SLT- |
| 78 | | Mofahim Sheikh Shameen | 7387807446 | | 09 | 08 | 17 |
| 79 | | Monali Sudhirrao Samrit | 7498601820 | | 09 | 09 | 18 |



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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 80 | | Nageshwar P. Gaygole | 9588458165 | -SLT- | -SLT- | -SLT- | -SLT- |
| 81 | | Nazim Hasnur Shah | 9130556705 | N.H. Shah | 07 | 07 | 14 |
| 82 | | Neha Ramesh Kamble | 7666649776 | N.R. Kamble | 08 | 08 | 16 |
| 83 | | Nikhil Maroti Kaware | 9370719549 | | 09 | 09 | 18 |
| 84 | | Nikhil Vijay Pawar | 8080033697 | N.V. Pawar | 10 | 09 | 19 |
| 85 | | Nikhita Shankar Kadu | 9322069761 | | 08 | 09 | 17 |
| 86 | | Nikita Suresh Bhoyar | 9766590884 | N.S. Bhoyar | 09 | 08 | 17 |
| 87 | | Niraj Madhukar Gohane | 9763169122 | N.M. Gohane | 07 | 06 | 13 |
| 88 | | Nirwani Gajanan Tokase | 8805092604 | N.G. Tokase | 07 | 10 | 17 |
| 89 | | Nishant N. Bhongade | 9067886892 | | 09 | 09 | 18 |
| 90 | | Nishikant Ashok Meshram | 9529191792 | N.A. Meshram | 09 | 09 | 18 |
| 91 | | Nitin Nareshrao Parise | 9356612236 | N.N. Parise | 07 | 09 | 16 |
| 92 | | Om Diliprao Malode | 9822842860 | Om D. Malode | 10 | 08 | 18 |
| 93 | | Om Manoj Bhonge | 9322270419 | | 09 | 09 | 18 |
| 94 | | Pallavi Ashokrao Kavatkar | 7620870361 | AA | AA | AA | AA |
| 95 | | Pallavi Mukundrao Thote | 8263074301 | P.M. thote | 09 | 09 | 18 |
| 96 | | Pavan Jaganrao Bamnote | 9112843463 | -SLT- | -SLT- | -SLT- | -SLT- |
| 97 | | Payal Gajananrao Adamane | 9373016308 | | 09 | 08 | 17 |
| 98 | | Piyush Manohar Dhakulkar | 8698994638 | P.M. Dhakulkar | 08 | 09 | 17 |
| 99 | | Prachi Ravindra Thakare | 9309565377 | -SLT- | -SLT- | -SLT- | -SLT- |
| 100 | | Pradip Ramkrushna Dhore | 9604724323 | -SLT- | -SLT- | -SLT- | -SLT- |
| 101 | | Prajakta Vijayrao Kombe | 9096629934 | P.V. Kombe | 09 | 07 | 16 |
| 102 | | Prajwal Shalikram Bante | 9370805627 | | 08 | 09 | 17 |
| 103 | | Prajwal V. Ambatkar | 8390167538 | | 08 | 09 | 17 |
| 104 | | Pratik Ashokrao Babhulkar | 8767928919 | | 08 | 08 | 16 |
| 105 | | Pratiksha Arun Rotekar | 9322672752 | P.A. Rotekar | 09 | 09 | 18 |
| 106 | | Priyanka Pralhad Raut | 9322982691 | -SLT- | -SLT- | -SLT- | -SLT- |



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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 107 | | Punam Arunrao Chaudhari | 8600289833 | | 09 | 08 | 17 |
| 108 | | Punam Madhukar Neware | 9921421567 | P.M.Neware | 08 | 08 | 16 |
| 109 | | Purvesh Devidas Vaidya | 8626025323 | | 10 | 08 | 18 |
| 110 | | Reshma S. Bhendarkar | 7058139332 | R.S.Bhendarkar | 09 | 09 | 18 |
| 111 | | Reshma Shankar Raut | 8329773759 | R.Raut | 08 | 09 | 17 |
| 112 | | Reshma Sunilrao Khandate | 8805797804 | Reshma | 09 | 09 | 18 |
| 113 | | Ritik Ramesh Pusnake | 8767118021 | R.R.P | 09 | 09 | 18 |
| 114 | | Rohan Dineshrao Dube | 7888188018 | R.D.Dube | 09 | 09 | 18 |
| 115 | | Rohan Pravin Hadekar | 7666945402 | | 10 | 08 | 18 |
| 116 | | Rohini Arunrao Khadse | 8767208330 | | 08 | 08 | 16 |
| 117 | | Roshan Sanjayrao Dharane | 8080662921 | | 09 | 08 | 17 |
| 118 | | Roshan Shankarrao Padole | 9763154753 | R.S.Padole | 08 | 07 | 15 |
| 119 | | Roshan S. Chahakar | 9022249587 | -SLT- | -SLT- | -SLT- | -SLT- |
| 120 | | Rushabh Pradiprao Kale | 8208575314 | R.P.Kale | 07 | 06 | 13 |
| 121 | | Rushikesh Bhashkar Kukade | 9021732938 | R.B.Kukde | 08 | 06 | 14 |
| 122 | | Rushikesh Bhaskarrao Yetre | 9529494173 | | 10 | 08 | 18 |
| 123 | | Rushikesh Pramod Lonkar | 9307302158 | R.P.Lonkar | 10 | 07 | 17 |
| 124 | | Rutuja Ramdasji Chaudhari | 7798773742 | R.Chaudhari | 10 | 08 | 18 |
| 125 | | Rutvik Bhagwant Gulhane | 8767814896 | AA | AA | AA | AA |
| 126 | | Sadiyasadaf M.Zakir Husain | 9579282769 | | 10 | 08 | 18 |
| 127 | | Sahil Kisanrao Arjune | 7420086149 | | 09 | 08 | 17 |
| 128 | | Sakshi Arjunrao Gedam | 7507509064 | | 10 | 09 | 19 |
| 129 | | Sakshi Banduji Malonde | 8010315778 | S.B.Malonde | 09 | 09 | 18 |
| 130 | | Sakshi D. Bamnote | 9420713626 | | 10 | 08 | 18 |
| 131 | | Sakshi Eknath Kamble | 9356570121 | -SLT- | -SLT- | -SLT- | -SLT- |
| 132 | | Sakshi G. Kshirsagar | 9370408377 | S.K.Kshirsagar | 10 | 08 | 18 |
| 133 | | Sakshi Kishor Kadu | 9322452175 | Sakshi K.Kadu | 10 | 07 | 17 |



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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 134 | | Sakshi Manikrao Shivankar | 9322137727 | S.Shivankar | 09 | 09 | 18 |
| 135 | | Sakshi Murlidhar Tighare | 8767926878 | S. M. Tighare | 10 | 08 | 18 |
| 136 | | Sakshi Nanaji Lahabar | 9689958853 | -SLT- | -SLT- | -SLT- | -SLT- |
| 137 | | Sakshi Ramesh Wadurkar | 8180872119 | G.Wadurkar | 08 | 10 | 18 |
| 138 | | Sakshi Vilas Kadam | 7350650198 | S.V.Kadam | 09 | 09 | 18 |
| 139 | | Saloni Ganesh Kamble | 9881256329 | [illegible] | 10 | 07 | 17 |
| 140 | | Samir Govindrao Mudrake | 8767998254 | [illegible] | 10 | 09 | 19 |
| 141 | | Samir Manoharrao Uike | 9552311808 | [illegible] | 09 | 09 | 18 |
| 142 | | Samruddhi G. Gaydhane | 7709821384 | -SLT- | -SLT- | -SLT- | -SLT- |
| 143 | | Samyak Vinod Wasnik | 9529893734 | -SLT- | -SLT- | -SLT- | -SLT- |
| 144 | | Sanchit G. Lambade | 9529860849 | -SLT- | -SLT- | -SLT- | -SLT- |
| 145 | | Sanjay Shankar Rangari | 9765786995 | -SLT- | -SLT- | -SLT- | -SLT- |
| 146 | | Sanket Dipakrao Patil | 7720887894 | [illegible] | 07 | 06 | 13 |
| 147 | | Sanket R. Chandurkar | 8262028937 | R.Chandur | 10 | 05 | 15 |
| 148 | | Sarang Moreshwar Walke | 9130700742 | S.M.Walke | 10 | 07 | 17 |
| 149 | | Saurabh S. Tangade | 8999626409 | S.S.Tangade | 07 | 07 | 14 |
| 150 | | Sejal Janraoji Todase | 7083463649 | -SLT- | -SLT- | -SLT- | -SLT- |
| 151 | | Sejal Suresh Gajbhiye | 8766830436 | -SLT- | -SLT- | -SLT- | -SLT- |
| 152 | | She Naved Shenazir | 9822266962 | S.Naved | 09 | 07 | 16 |
| 153 | | Sheikhshoeb H. Husain | 9970608010 | S.Shoeb | 10 | 08 | 18 |
| 154 | | Shivani Harishrao Januskar | 8767702079 | S.H.Janu | 10 | 08 | 18 |
| 155 | | Shivani Vijay Kakade | 9529939817 | SVKakde | 09 | 08 | 17 |
| 156 | | Shreya Gajanan Thakare | 9373879264 | -SLT- | -SLT- | -SLT- | -SLT- |
| 157 | | Shrikant Govardhan Gade | 8010898205 | S.G.Gade | 09 | 09 | 18 |
| 158 | | Shruti R. Suryawanshi | 9860528075 | S.R.Surya | 10 | 10 | 20 |
| 159 | | Shubham P. Dhote | 7498054582 | S.P.Dhote | 07 | 06 | 13 |
| 160 | | Shubham Vinod Pande | 7498482973 | S.V.Pande | 07 | 06 | 13 |



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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- I** **Sem - II** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 134 | | Sakshi Manikrao Shivankar | 9322137727 | S.Shivankar | 09 | 09 | 18 |
| 135 | | Sakshi Murlidhar Tighare | 8767926878 | S.M.Tighare | 10 | 08 | 18 |
| 136 | | Sakshi Nanaji Lahabar | 9689958853 | -SLT- | -SLT- | -SLT- | -SLT- |
| 137 | | Sakshi Ramesh Wadurkar | 8180872119 | S.Wadurkar | 08 | 10 | 18 |
| 138 | | Sakshi Vilas Kadam | 7350650198 | S.V.Kadam | 09 | 09 | 18 |
| 139 | | Saloni Ganesh Kamble | 9881256329 | S.Kamble | 10 | 07 | 17 |
| 140 | | Samir Govindrao Mudrake | 8767998254 | S.Mudrake | 10 | 09 | 19 |
| 141 | | Samir Manoharrao Uike | 9552311808 | S.Uike | 09 | 09 | 18 |
| 142 | | Samruddhi G. Gaydhane | 7709821384 | -SLT- | -SLT- | -SLT- | -SLT- |
| 143 | | Samyak Vinod Wasnik | 9529893734 | -SLT- | -SLT- | -SLT- | -SLT- |
| 144 | | Sanchit G. Lambade | 9529860849 | -SLT- | -SLT- | -SLT- | -SLT- |
| 145 | | Sanjay Shankar Rangari | 9765786995 | -SLT- | -SLT- | -SLT- | -SLT- |
| 146 | | Sanket Dipakrao Patil | 7720887894 | S.Patil | 07 | 06 | 13 |
| 147 | | Sanket R. Chandurkar | 8262028937 | S.R.Chandurkar | 10 | 05 | 15 |
| 148 | | Sarang Moreshwar Walke | 9130700742 | S.M.Walke | 10 | 07 | 17 |
| 149 | | Saurabh S. Tangade | 8999626409 | S.S.Tangade | 07 | 07 | 14 |
| 150 | | Sejal Janraoji Todase | 7083463649 | -SLT- | -SLT- | -SLT- | -SLT- |
| 151 | | Sejal Suresh Gajbhiye | 8766830436 | -SLT- | -SLT- | -SLT- | -SLT- |
| 152 | | She Naved Shenazir | 9822266962 | S.Shenazir | 09 | 07 | 16 |
| 153 | | Sheikhshoeb H. Husain | 9970608010 | S.H.Shoeb | 10 | 08 | 18 |
| 154 | | Shivani Harishrao Januskar | 8767702079 | S.H.Januskar | 10 | 08 | 18 |
| 155 | | Shivani Vijay Kakade | 9529939817 | S.Kakade | 09 | 08 | 17 |
| 156 | | Shreya Gajanan Thakare | 9373879264 | -SLT- | -SLT- | -SLT- | -SLT- |
| 157 | | Shrikant Govardhan Gade | 8010898205 | S.G.Gade | 09 | 09 | 18 |
| 158 | | Shruti R. Suryawanshi | 9860528075 | S.R.Suryawanshi | 10 | 10 | 20 |
| 159 | | Shubham P. Dhote | 7498054582 | S.P.Dhote | 07 | 06 | 13 |
| 160 | | Shubham Vinod Pande | 7498482973 | S.V.Pande | 07 | 06 | 13 |



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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
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**Internal Assessment**

**B.A. Part- I** **Sem - II** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 161 | | Shubhanji G. Thakare | 9529794337 | -SLT- | -SLT- | -SLT- | -SLT- |
| 162 | | Shubhanshu Mohan Jadhav | 9822262887 | | 10 | 08 | 18 |
| 163 | | Shweta Rajendra Dube | 9975032063 | -SLT- | -SLT- | -SLT- | -SLT- |
| 164 | | Siddharth M. Thakare | 8767197454 | AA | AA | AA | AA |
| 165 | | Sneha Divakar Wankhade | 9356400242 | | 10 | 08 | 18 |
| 166 | | Sneha Gajanan Raut | 9322043161 | S.G.Raut | 10 | 08 | 18 |
| 167 | | Snehal P. Deshmukh | 8975808336 | | 07 | 07 | 14 |
| 168 | | Sonal Surendra Ghutke | 7758893790 | | 10 | 07 | 17 |
| 169 | | Soundarya N. Sonone | 8975965017 | | 09 | 09 | 18 |
| 170 | | Sumant Rajesh Sarode | 9112661213 | | 09 | 09 | 18 |
| 171 | | Sumedh Mahendra Katarne | 9373466721 | AA | AA | AA | AA |
| 172 | | Suraj Pramod Kawarati | 7085754798 | -SLT- | -SLT- | -SLT- | -SLT- |
| 173 | | Suraj Pramodrao Rathod | 7498280174 | | 10 | 09 | 19 |
| 174 | | Suraj Rajendra Bhoyar | 9307865561 | | 09 | 09 | 18 |
| 175 | | Sushil Dipak Dilpe | 7448017279 | S.D.Dilpe | 10 | 09 | 19 |
| 176 | | Swapnil Sureshrao Dhoke | 8080314438 | | 07 | 07 | 14 |
| 177 | | Swati Ramchandra Karpate | 8261809297 | | 09 | 08 | 17 |
| 178 | | Tanuja Sureshrao Bhoyar | 8308307256 | | 09 | 08 | 17 |
| 179 | | Tejas Diliprao Choncholkar | 9860024463 | | 09 | 07 | 16 |
| 180 | | Tejas Duryodhan Chaware | 9011598408 | | 09 | 09 | 18 |
| 181 | | Tushar Babanrao Kusram | 7517230109 | | 10 | 08 | 18 |
| 182 | | Vaibhav Mohanrao Hatwar | 9689724834 | -SLT- | -SLT- | -SLT- | -SLT- |
| 183 | | Vaibhav Sunil Patmase | 9657034728 | -SLT- | -SLT- | -SLT- | -SLT- |
| 184 | | Vaishnavi Anand Bhagat | 9765447832 | | 10 | 08 | 18 |
| 185 | | Vaishnavi Arunrao Thakare | 8483935870 | | 10 | 07 | 17 |
| 186 | | Vaishnavi D. Bhajbhuje | 9322067263 | | 10 | 08 | 18 |
| 187 | | Vaishnavi Prabhakar Vaidya | 8767772925 | | 10 | 06 | 16 |



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**Internal Assessment**

**B.A. Part- I** **Sem - II** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 188 | | Vaishnavi Sunil Tak | 7498038154 | -SLT- | -SLT- | -SLT- | -SLT- |
| 189 | | Vaishnavi U. Pendam | 9359564162 | V.V. Pendam | 07 | 08 | 15 |
| 190 | | Vaishnavi Vijay Kohare | 8446353652 | -SLT- | -SLT- | -SLT- | -SLT- |
| 191 | | Vighnesh Gajananrao Zele | 8830211223 | -SLT- | -SLT- | -SLT- | -SLT- |
| 192 | | Vijay Sudhir Mehkar | 7744932836 | AA | AA | AA | AA |
| 193 | | Vishal Vijayrao Thakare | 7821039344 | -SLT- | -SLT- | -SLT- | -SLT- |
| 194 | | Yash Ganeshrao Lawane | 9657059215 | -SLT- | -SLT- | -SLT- | -SLT- |
| 195 | | Yash Jayendra Ajmire | 8007394564 | Yash JA | 07 | 07 | 14 |
| 196 | | Yash R. Chambhare | 9067057404 | [illegible] | 09 | 06 | 15 |
| 197 | | Yash Vijay Tirle | 7709883125 | [illegible] | 07 | 07 | 14 |
| 198 | | Yogita Mahadev Dhakulkar | 8208192932 | Y.M. Dhakulkar | 10 | 08 | 18 |
| 199 | | Yogita Rameshwar Mhatre | 8262926890 | AA | AA | AA | AA |

( Do. K.H. Basapalli
Deptt. of History )



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आदर्श विज्ञान, जे.बी.कला व बिरला वाणिज्य महाविद्यालय, धामणगाव रेल्वे

इतिहास विभाग

**Internal Assessment (Summer-2022)**

**Home Assignment**

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**B. A. II Sem- IV** Marks 10

खालीलपैकी कोणतेही पाच प्रश्न सोडवा

१) प्लासीच्या लढाईचे वर्णन करा.

२)बकसारच्या लढाईत इंग्रजाना विजय का मिळाला ?

३)तैनाती फौज पद्धतीचे वर्णन करा .

४) तैनाती फौज पद्धतीचे गुण दोष सांगा .

५) कायमधारा पद्धतीचे वर्णन करा .

६) विलीनीकरण सिद्धाताचे तत्व सांगा .

७) रयतवारी पद्धतीचे वर्णन करा. .

८) वुडचा अहवाल स्पष्ट करा .

९) असहकार चळवळीचे वर्णन करा .

१०) सुभाषचंद्र बोस यांच्या कामगिरीचे वर्णन करा .

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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**

**Summer/ Winter Examination- 2021-22**

**Internal Assessment**

**B.A. Part- II** **Sem - 4** **Subject : History**

| Sr. No | Roll No. | Name of the Student | Mobile No | Sign. | Marks | | Total Marks 20 |
|---|---|---|---|---|---|---|---|
| | | | | | Assignment (10) | Viva Voca (10) | |
| 1 | | Aachal Vijayrao Korde | 9881656138 | A.V.Korde | 08 | 08 | 16 |
| 2 | | Abhishek Vinodrao Bhoyar | 9172755709 | -SLT- | -SLT- | -SLT- | -SLT- |
| 3 | | Achal Dadarao Bharose | 9834806815 | | 09 | 08 | 17 |
| 4 | | Adesh Arvind Kakade | 8698711902 | A.A.Kakade | 08 | 09 | 17 |
| 5 | | Aditya Gajanan Thakare | 8149774922 | | 09 | 09 | 18 |
| 6 | | Akanksha Sunil Charde | 8767318625 | | 08 | 08 | 16 |
| 7 | | Akash Bhimrao Wankhade | 9527402083 | A.B.Wankhade | 08 | 08 | 16 |
| 8 | | Akash Govindrao Mahure | 7843064099 | | 09 | 08 | 17 |
| 9 | | Akshay Govindrao Hendve | 9511293519 | | 09 | 09 | 18 |
| 10 | | Akshay Omprakash Kumre | 8975222009 | AO Kumare | 07 | 07 | 14 |
| 11 | | Akshay Pravin Titare | 9011303628 | -SLT- | -SLT- | -SLT- | -SLT- |
| 12 | | Amar Avinash Kambe | 9359522286 | | 09 | 09 | 18 |
| 13 | | Aniket Prakashrao Raut | 8888122739 | A.P.Raut | 08 | 09 | 17 |
| 14 | | Ankita Tanba Mahanur | 7378782185 | -SLT- | -SLT- | -SLT- | -SLT- |
| 15 | | Ankush Rajkumar Zele | 8329276520 | | 08 | 08 | 16 |
| 16 | | Badal Sunil Mudrake | 9307729766 | | 09 | 08 | 17 |
| 17 | | Chetan Bhashkar Dhurve | 9322657029 | | 08 | 09 | 17 |
| 18 | | Chhakuli Ganesh Ghodkhande | 9923608011 | | 07 | 07 | 14 |
| 19 | | Deepak Ravindra Tadas | 9146851007 | AA | AA | AA | AA |
| 20 | | Dipali Rundan Pawar | 9834146192 | | 09 | 08 | 17 |
| 21 | | Gaurav Pravin Dhote | 9049081904 | | 08 | 08 | 16 |
| 22 | | Gaurav Shamsunder Shendre | 9284376624 | | 09 | 08 | 17 |
| 23 | | Harshad Sanjay Bansod | 8379819822 | | 09 | 08 | 17 |
| 24 | | Hemant Ramesh Kapse | 8605040419 | | 09 | 09 | 18 |
| 25 | | Hiranya Manikchand Chaware | 9579673588 | | 09 | 08 | 17 |



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**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- II** **Sem - 4** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | | Kamal Manoharrao Thakare | 9307186962 | -SLT- | -SLT- | -SLT- | -SLT- |
| 27 | | Kanchan Ramesh Dhawale | 9096875973 | -SLT- | -SLT- | -SLT- | -SLT- |
| 28 | | Karishma Rajesh Gupta | 9960712013 | K.R.Gupta | 10 | 09 | 19 |
| 29 | | Kunal Rajendra Sawant | 9067712608 | | 09 | 09 | 18 |
| 30 | | Lukesh Devidas Dhurve | 7218099825 | | 08 | 08 | 16 |
| 31 | | Maithili Vitthalrao Vaidya | 9822054206 | | 09 | 08 | 17 |
| 32 | | Mayuri Dyaneshwarrao Choudhari | 8888020988 | | 08 | 09 | 17 |
| 33 | | Megha Pramodrao Sahare | 9370330487 | | 08 | 09 | 17 |
| 34 | | Minal Sanjay Udakhe | 9822818636 | | 08 | 07 | 15 |
| 35 | | Muskanparvin Shekh Maheboob | 7448233145 | -SLT- | -SLT- | -SLT- | -SLT- |
| 36 | | Namrata Mahendra Tokse | 9370700329 | -SLT- | -SLT- | -SLT- | -SLT- |
| 37 | | Neha Diwakar Lambade | 8830421256 | -SLT- | -SLT- | -SLT- | -SLT- |
| 38 | | Nikhil Anantrao Bawangade | 9579106048 | | 08 | 08 | 16 |
| 39 | | Onkar Ganesh Bagde | 9307934879 | | 09 | 08 | 17 |
| 40 | | Pallavi Haridas Kumare | 7038755876 | | 10 | 08 | 18 |
| 41 | | Pallavi Rameshrao Khadatkar | 9765781494 | | 09 | 08 | 17 |
| 42 | | Pallavi Shamrao Chavhan | 9637968366 | | 09 | 09 | 18 |
| 43 | | Payal Rajendra Mankar | 8552998727 | -SLT- | -SLT- | -SLT- | -SLT- |
| 44 | | Prabodh Pundlik Mun | 9021897150 | | 08 | 09 | 17 |
| 45 | | Prachi Ashokrao Bagwale | 9881758531 | | 10 | 09 | 19 |
| 46 | | Prajval Gajanan Sakharkar | 9067485359 | | 08 | 08 | 16 |
| 47 | | Prajwal Gurudevji Tambe | 7620574076 | | 09 | 08 | 17 |
| 48 | | Prajwal Vijay Chavhan | 9356415818 | | 09 | 07 | 16 |
| 49 | | Pranav Gajanan Sakharkar | 9075206857 | | 08 | 09 | 17 |
| 50 | | Pranoti Amolrao Bhosale | 7666163893 | | 10 | 09 | 19 |
| 51 | | Prashant Pramod Susatkar | 9175617628 | | 07 | 06 | 13 |
| 52 | | Prashik Dnyaneshwar Wankhade | 9420123015 | | 09 | 09 | 18 |



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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- II** **Sem - 4** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 80 | | Soham Prakash Mandavgane | 7972620884 | Soham. | 10 | 08 | 18 |
| 81 | | Sujata Marotirao Dhokane | 9022741415 | S. Dhokne | 09 | 08 | 17 |
| 82 | | Sumayyafirdos Sheikh Khalil | 9767174313 | [illegible] | 09 | 09 | 18 |
| 83 | | Suraj Bhaskarrao Waghmare | 9356317397 | [illegible] | 08 | 08 | 16 |
| 84 | | Suvarna Vijayrao Vanjari | 9325846276 | [illegible] | 10 | 09 | 19 |
| 85 | | Swapnil Balram Ingole | 9370064985 | [illegible] | 08 | 10 | 18 |
| 86 | | Tejas Gajanan Bhoyar | 7798592504 | [illegible] | 08 | 08 | 16 |
| 87 | | Tushar Purushottam Fuke | 9145439800 | [illegible] | 08 | 08 | 16 |
| 88 | | Vaibhav Prakash Thakare | 7066948323 | [illegible] | 10 | 07 | 17 |
| 89 | | Vaishnavi Balkrushna Ekonkar | 9579345799 | [illegible] | 08 | 09 | 17 |
| 90 | | Vaishnavi Dnyaneshwar Navrange | 9322143559 | -SLT- | -SLT- | -SLT- | -SLT- |
| 91 | | Vaishnavi Gajananrao Khandate | 9765881891 | [illegible] | 09 | 08 | 17 |
| 92 | | Vaishnavi Gulabrao Rathod | 8308512316 | [illegible] | 09 | 09 | 18 |
| 93 | | Vaishnavi Keshavrao Ghodke | 8767356612 | [illegible] | 08 | 09 | 17 |
| 94 | | Vaishnavi Kisan Choudhari | 7057402082 | [illegible] | 09 | 09 | 18 |
| 95 | | Vaishnavi Sunilrao Kakde | 9096625931 | [illegible] | 10 | 09 | 19 |
| 96 | | Vikas Shalikram Pawar | 9075439543 | [illegible] | 09 | 09 | 18 |
| 97 | | Vikky Premchand Suryawanshi | 7758802747 | -SLT- | -SLT- | -SLT- | -SLT- |
| 98 | | Vishal Arunrao Ramgavkar | 7447667718 | [illegible] | 08 | 09 | 17 |
| 99 | | Vishal Harihar Raut | 7743924166 | Vishal Raut | 10 | 08 | 18 |
| 100 | | Vishal Vikas Rupawane | 7517491720 | [illegible] | 10 | 08 | 18 |
| 101 | | Vivek Dattatray Tayde | 7775906469 | [illegible] | 10 | 08 | 18 |
| 102 | | Yash Ghanshyam Choudhari | 8669212069 | Yash | 10 | 10 | 20 |
| 103 | | Yash Pritam Gawande | 8766971842 | [illegible] | 09 | 09 | 18 |
| 104 | | Rohit Ashwalkar Absent | 9307738644 | R.E. Absent | 10 | 09 | 19 |

Dr. K. H. Borayale
Deptt. of History

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आदर्श विज्ञान, जे.बी.कला व बिरला वाणिज्य महाविद्यालय, धामणगाव रेल्वे

इतिहास विभाग

**Internal Assessment (Summer-2022)**

**Home Assignment**

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**B. A. III Sem- VI** Marks 10

खालीलपैकी कोणतेही पाच प्रश्न सोडवा

१) हिटलरच्या विदेशी धोरणाची सूत्रे लिहा.

२) मुसोलिनीचा उदय का झाला ?

३) १९२९ च्या अर्थिक मंदीची कारणे सांगा.

४) दुसऱ्या महायुद्धाची कोणतीही दोन करणे लिहा .

५) दुसऱ्या महायुद्धाचे परिणाम लिहा.

६) दुसऱ्या महायुद्धात अमेरिकेने प्रवेश का केला .

७) संयुक्त राष्ट्रसंघाची रचना सांगा .

८) ) संयुक्त राष्ट्रसंघाचे उद्देश स्पष्ट करा .

९) अटलांटिक सनद विषयी माहिती लिहा ?

१०) नाटो कराराचे वर्णन करा .

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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
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**B.A. Part- III** **Sem – 6** **Subject : History**

| Sr. No | Roll No. | Name of the Student | Mobile No | Sign. | Marks | | Total Marks 20 |
|---|---|---|---|---|---|---|---|
| | | | | | Assignment (10) | Viva Voca (10) | |
| 1 | | Achal Balubhau Bhoyar | 9130188474 | | 09 | 09 | 18 |
| 2 | | Achal Namdev Aurangpure | 9860691211 | | 10 | 08 | 18 |
| 3 | | Achal Nareshrao Neware | 9503570781 | -SLT- | -SLT- | -SLT- | -SLT- |
| 4 | | Achal Prakash Shende | 8698749015 | | 07 | 07 | 14 |
| 5 | | Afroj Liyakat Ali | 8806102496 | | 08 | 10 | 18 |
| 6 | | Akash Charandas Shendre | 9665305684 | | 10 | 09 | 19 |
| 7 | | Akash Rajendrarao Mahatme | 7798692552 | | 08 | 09 | 17 |
| 8 | | Akshay Shankar Bande | 73875886637 | | 09 | 09 | 18 |
| 9 | | Aman Mukesh Borkar | 8308009967 | | 08 | 09 | 17 |
| 10 | | Ankita Prakash Tale | 7058252171 | | 08 | 08 | 16 |
| 11 | | Ankita Vijay Uprikar | 9527676619 | | 09 | 09 | 18 |
| 12 | | Ankush Gajanan Khade | 7775926113 | | 10 | 08 | 18 |
| 13 | | Anuj Ashok Waghmare | 7620343841 | | 08 | 09 | 17 |
| 14 | | Arpita Yadavrao Pandharam | 9689789255 | | 09 | 09 | 18 |
| 15 | | Bablu Inayattulla Sheikh | 9798668434 | | 09 | 08 | 17 |
| 16 | | Bhagyashri Ganesh Kathane | 7057642282 | | 09 | 08 | 17 |
| 17 | | Bhavika Vilas Dongare | 8637702486 | | 09 | 08 | 17 |
| 18 | | Chanchal Santoshrao Chaudhari | 8888648803 | | 09 | 09 | 18 |
| 19 | | Chetan Nareshrao Sawant | 7038660978 | | 09 | 09 | 18 |
| 20 | | Chetan Rambhuji Bhendarkar | 9359790917 | | 09 | 09 | 18 |
| 21 | | Chetan Santoshrao Upase | 9096054673 | | 09 | 09 | 18 |
| 22 | | Dewyani Manoj Warkad | 9960775256 | | 09 | 08 | 17 |
| 23 | | Diksha Ashokrao Meshram | 9960791948 | | 08 | 09 | 17 |
| 24 | | Diksha Sunilrao Bansod | 9172622971 | AA | AA | AA | AA |
| 25 | | Divya Prakash Jarudkar | 7796561101 | | 10 | 08 | 18 |



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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- III** **Sem – 6** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | | Divya Shankarrao Meshram | 9850584015 | | 08 | 09 | 17 |
| 27 | | Dnyaneshwari Devanand Kaikadi | 9552770790 | | 07 | 07 | 14 |
| 28 | | Ganesh Babanrao Chincholkar | 9190442074 | G.B.C | 10 | 09 | 19 |
| 29 | | Gaurav Charandas Mendhe | 8805255160 | | 09 | 09 | 18 |
| 30 | | Gauri Nandlal Kuril | 9960856421 | | 10 | 08 | 18 |
| 31 | | Gayatri Padmakar Mehkar | 9022405726 | | 09 | 09 | 18 |
| 32 | | Hemant Jalindar Kambale | 7083936437 | | 09 | 08 | 17 |
| 33 | | Hemant Raju Gothane | 7420855020 | | 10 | 08 | 18 |
| 34 | | Jaya Sadashiv Jamre | 9850818166 | | 09 | 08 | 17 |
| 35 | | Jayant Sharadrao Rawekar | 9011538361 | | 08 | 08 | 16 |
| 36 | | Kajal Dhyaneshwar Shende | 9607757484 | | 09 | 08 | 17 |
| 37 | | Kajal Mukundrao Taktode | 9552305894 | K.M.T | 10 | 08 | 18 |
| 38 | | Kajal Sureshrao Raut | 8007380255 | | 07 | 07 | 14 |
| 39 | | Karishma Janrao Todase | 9011300404 | | 08 | 09 | 17 |
| 40 | | Kartik Ramdas Mandavgane | 7666096428 | | 09 | 08 | 17 |
| 41 | | Kashif Jaka Moh.Abid | 8605108442 | | 09 | 09 | 18 |
| 42 | | Kiran Rameshwar Madame | 8379857537 | | 09 | 08 | 17 |
| 43 | | Kirti Bharatrao Borkute | 9970424112 | | 09 | 08 | 17 |
| 44 | | Krutika Ashokrao Dube | 8698722480 | K. Dube | 09 | 08 | 17 |
| 45 | | Lokesh Anil Mandalwar | 7073410197 | | 09 | 08 | 17 |
| 46 | | Lokesh Satish Dhamande | 9011220947 | Lokesh. | 10 | 09 | 19 |
| 47 | | Majahar Akbar Shekh | 7057500311 | | 09 | 09 | 18 |
| 48 | | Manasi Sharad Kale | 9284704809 | | 10 | 07 | 17 |
| 49 | | Manish Sanjayrao Mate | 7709648504 | M.S. Mate | 08 | 09 | 17 |
| 50 | | Mayuri Himmatrao Armal | 9923060366 | -SLT- | -SLT- | -SLT- | -SLT- |
| 51 | | Megha Surendra Chaudhari | 7507866026 | | 10 | 07 | 17 |
| 52 | | Minal Vinodrao Chaudhari | 9130823895 | M.V.Chaudhari | 10 | 08 | 18 |



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**Sant Gadge Baba Amravati University Amravati**
**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- III** **Sem – 6** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 53 | | Mohini Krushna Walke | 7744940376 | MKwalke | 08 | 09 | 17 |
| 54 | | Nayan Rajeh Bhoyar | 9623428119 | | 09 | 09 | 18 |
| 55 | | Neha Suresh Wasu | 7719878190 | | 08 | 08 | 16 |
| 56 | | Nikhil Mukundrao Halmare | 7218499512 | | 09 | 09 | 18 |
| 57 | | Nikita Babarao Shende | 9096698355 | | 09 | 09 | 18 |
| 58 | | Pallavi Rajesh Jumale | 8550956147 | | 09 | 09 | 18 |
| 59 | | Pallavi Vijay Rajgire | 9527119732 | | 09 | 09 | 18 |
| 60 | | Papish Arunrao Atram | 7620542321 | | 08 | 09 | 17 |
| 61 | | Pragati Sadashivrao Soyam | 8080812787 | P.S Soyam | 09 | 09 | 18 |
| 62 | | Prajwal Gajananrao Chimurkar | 8805784288 | P.G.Chimurkar | 07 | 07 | 14 |
| 63 | | Prajwal Nandkishor Gadkari | 9765512419 | | 09 | 09 | 18 |
| 64 | | Prajwal Vasantrao Himane | 9579677437 | P.V.Himane | 09 | 08 | 17 |
| 65 | | Pranali Ashokrao Warghat | 8308679349 | | 10 | 09 | 19 |
| 66 | | Pranjali Ramdas Saw | 9673458114 | | 09 | 09 | 18 |
| 67 | | Prashant Devraoji Ghodkhande | 8459314698 | | 10 | 09 | 19 |
| 68 | | Pratiksha Kishor Thawale | 9049647554 | | 09 | 08 | 17 |
| 69 | | Pratiksha Rajendra Uke | 95035114509 | P.R.Uke | 07 | 06 | 13 |
| 70 | | Pratiksha Sanjayrao Bankar | 9112446344 | P. Bankar | 09 | 08 | 17 |
| 71 | | Pratiksha Suresh Tayade | 9689163589 | | 09 | 09 | 18 |
| 72 | | Priyanka Purushottam Khandare | 8600650037 | | 09 | 08 | 17 |
| 73 | | Priyanka Sanjay Parkhande | 8390780094 | | 08 | 09 | 17 |
| 74 | | Puja Tulshidas Jagtap | 7875011013 | Ku. P.T Jagtap | 08 | 09 | 17 |
| 75 | | Rohan Rajendra Chaudhari | 9765290237 | Rohan | 08 | 09 | 17 |
| 76 | | Rohini Prakash Shilam | 9552189648 | R.P.Shilam | 08 | 09 | 17 |
| 77 | | Roshan Anilrao Borkar | 7028430548 | R.A.Borkar | 08 | 10 | 18 |
| 78 | | Roshan Subhashrao Dautpure | 7620992483 | | 10 | 07 | 17 |
| 79 | | Roshni Madhukarrao Rathod | 9011957712 | R.M.Rathod | 08 | 09 | 17 |



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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- III** **Sem – 6** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 80 | | Rushabh Madhukarrao Gohane | 9763169121 | R.M.Gohane | 07 | 09 | 16 |
| 81 | | Rushikesh Dharmapal Khadse | 7620947681 | R.D.Khadse | 08 | 09 | 17 |
| 82 | | Saher Shakir Khan | 9767090191 | S.S.Khan | 07 | 07 | 14 |
| 83 | | Sakshi Dnyaneshwarrao Karlekar | 7057676406 | S.Karlekar | 09 | 09 | 18 |
| 84 | | Sakshi Gajanan Kakde | 9545817466 | S.Kakde | 010 | 07 | 17 |
| 85 | | Sakshi Rajendra Thakare | 9525257104 | S.Thakare | 09 | 09 | 18 |
| 86 | | Sakshi Ramesh Chokhat | 9763288297 | S.Chokhat | 08 | 09 | 17 |
| 87 | | Samiksha Anantrao Mohod | 7262891848 | S.Mohod | 09 | 08 | 17 |
| 88 | | Samiksha Raju Kohale | 9823563609 | S.Kohale | 09 | 09 | 18 |
| 89 | | Samiksha Sunil Vilayatkar | 8530785851 | S.S.V | 09 | 08 | 17 |
| 90 | | Samir Divakar Shinde | 8378826738 | S.Shinde | 08 | 09 | 17 |
| 91 | | Samyak Kiranrao Dahat | 7793985183 | S.Dahat | 08 | 09 | 17 |
| 92 | | Sanjivani Gajanan Thakare | 9921018318 | S.G.Thakare | 09 | 09 | 18 |
| 93 | | Satish Pramodrao Masodkar | 9766905749 | S.P.Masodkar | 10 | 07 | 17 |
| 94 | | Satyajit Gajanan Jagtap | 7057596619 | S.Jagtap | 10 | 08 | 18 |
| 95 | | Saurabh Gajananrao Dongre | 8600459631 | S.Dongre | 09 | 09 | 18 |
| 96 | | Shekh Rajik Shekhhafij | 8308758319 | S.Rajik | 08 | 09 | 17 |
| 97 | | Shilpa Shridhar Dhanke | 7888277925 | S.Dhanke | 08 | 08 | 16 |
| 98 | | Shital Sanjay Giri | 7719835289 | S.Giri | 09 | 09 | 18 |
| 99 | | Shrutika Gunawantrao Bhasme | 9172685154 | S.Bhasme | 09 | 09 | 18 |
| 100 | | Shubham Raju Khadse | 9172233934 | S.Khadse | 10 | 07 | 17 |
| 101 | | Shweta Shankarrao Dabhade | 9096199623 | S.S.Dabhade | 07 | 08 | 15 |
| 102 | | Sneha Subhash Bhoyar | 7620254382 | S.Bhoyar | 08 | 09 | 17 |
| 103 | | Sonali Keshavrao Shivankar | 9022458354 | -SLT- | -SLT- | -SLT- | -SLT- |
| 104 | | Sonam Ashok Bachchhraj | 7666735026 | S.Bachchhraj | 09 | 09 | 18 |
| 105 | | Suchit Khemraj Tupsundare | 9834329105 | S.K.Tupsundare | 09 | 09 | 18 |
| 106 | | Sudhir Ganeshrao Motghare | 9730176421 | S.Motghare | 10 | 08 | 18 |



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**Sant Gadge Baba Amravati University Amravati**
**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly**
**Summer/ Winter Examination- 2021-22**
**Internal Assessment**

**B.A. Part- III** **Sem – 6** **Subject : History**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 107 | | Switi Dinesh Gadling | 8605387764 | Gadling | 10 | 08 | 18 |
| 108 | | Tanuja Sharad Singrol | 9975279121 | Sing | 09 | 09 | 18 |
| 109 | | Tejas Prakash Tayde | 7620196508 | T.P. Tayde | 07 | 08 | 15 |
| 110 | | Tejas Pralhadrao Meshram | 9011469155 | Tejas.P Meshram | 09 | 08 | 17 |
| 111 | | Tejashree Pravin Rane | 8669362583 | TRane | 09 | 09 | 18 |
| 112 | | Umesh Haridas Ramteke | 75171736347 | AA | AA | AA | AA |
| 113 | | Vaishali Rameshrao Tayade | 9545667385 | Tayade | 09 | 08 | 17 |
| 114 | | Vaishnavi Digambar Nandurkar | 7499920764 | VNShri | 09 | 09 | 18 |
| 115 | | Vaishnavi Pravin Shastrakar | 9890698356 | V.Shastrak | 09 | 08 | 17 |
| 116 | | Vaishnavi Ramesh Dole | 9834655619 | Dole. | 09 | 08 | 17 |
| 117 | | Vaishnavi Rameshrao Nakshane | 9370398119 | Vaishnavi | 09 | 08 | 17 |
| 118 | | Vaishnavi Sureshrao Borkute | 7038120400 | Borkute | 09 | 09 | 18 |
| 119 | | Vaishnavi Vilasrao Gedam | 9579168683 | Gedam | 09 | 09 | 18 |
| 120 | | Vaishnvi Surendrarao Mankar | 7709968230 | Vsmankar | 08 | 09 | 17 |
| 121 | | Virendra Ashokrao Sarave | 8668700478 | Sarave | 08 | 09 | 17 |
| 122 | | Vishwabhushan Vinodrao Borkar | 8483975813 | VVBorkar | 10 | 09 | 19 |
| 123 | | Vrushabh Narayan Raut | 9359076728 | V.Raut | 09 | 010 | 19 |
| 124 | | Vrushali Gajanan Raut | 9730417887 | V.G.Raut | 07 | 08 | 15 |
| 125 | | Yash Krushnaji Wankhade | 9172630927 | Yashwankhade | 08 | 08 | 16 |
| 126 | | Yogesh Umeshrao Asole | 0 | Asole | 10 | 09 | 19 |
| 127 | | Yogita Bhimraoji Wankhade | 7249445062 | Ywankhade | 10 | 08 | 18 |

(Dr. K.H. Bargahe)
Deptt. of History



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Appendix –V

Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks 21-22

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc.I ( Sem – I)
Subject : Zoology
Paper (With Title) – I S
(Life & Diversity of Non-Chordata)

Name of Teacher: Dr. S. O. Qureshee
: J. G. Suryawanshi

Designation: Professor
Designation: Asstt. Professor

| Sr. No. | Name of the Student | Marks Awarded | | | | Total Max. Marks: 20 |
|---|---|---|---|---|---|---|
| | | Assignment / Project Assignment Max. Marks: 08 | Seminar / G.D. Max. Marks | Study Tour / Industrial Visit / Visit to Educational Institutes / Research Organizations / Field Work | Unit test Max. Marks: 12 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | ABHAY PRASHANT RAUT | 08 | — | — | 12 | 20 |
| 2 | AKANKSHA AVADHUT WAHANE | 08 | — | — | 12 | 20 |
| 3 | ANISHA SHIVKUMAR KADU | 08 | — | — | 12 | 20 |
| 4 | APEKSHA ARUN DONGARDIVE | 08 | — | — | 12 | 20 |
| 5 | ARPAN MILIND AJMIRE | 08 | — | — | 12 | 20 |
| 6 | ASHISH RAJENDRA UIKE | 08 | — | — | 12 | 20 |
| 7 | BILALSHEIKH MOHAMAD SALIMSHEIKH | 08 | — | — | 12 | 20 |
| 8 | CHANCHAL RAMESHSING BHIVARIKAR | 00 | — | — | 00 | 00 |
| 9 | DHANASHRI SURESH KALE | 08 | — | — | 12 | 20 |
| 10 | GAYATRI PRADIP RAJANKAR | 08 | — | — | 12 | 20 |
| 11 | KIRAN MAROTRAO DAROKAR | 08 | — | — | 12 | 20 |
| 12 | KOMAL BHAGWATRAO TATTE | 08 | — | — | 12 | 20 |
| 13 | MAHIMA VIJAY SHIRPURKAR | 08 | — | — | 12 | 20 |
| 14 | NIKITA VILAS WANKHADE | 08 | — | — | 12 | 20 |
| 15 | PRACHI GAJENDRA BORGHATE | 08 | — | — | 12 | 20 |
| 16 | PAVAN PURUSHOTTAM NAGPURE | 08 | — | — | 12 | 20 |
| 17 | PRAJWAL DILIP PATIL | 08 | — | — | 12 | 20 |
| 18 | PRAJWAL NARENDRA SONONE | 08 | — | — | 12 | 20 |
| 19 | PRATIKSHA GAJANAN BHARTI | 08 | — | — | 12 | 20 |
| 20 | RUCHA PRAMOD INGLE | 08 | — | — | 12 | 20 |
| 21 | RUCHITA JITENDRA DUBE | 08 | — | — | 12 | 20 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 22 | SAKSHI ANAND ATALKAR | 08 | --- | --- | | |
| 23 | SAMIKSHA VIJAY SAMBHE | 08 | --- | --- | | |
| 24 | SANSKRUTI AMARSINH DESHMUKH | 08 | --- | --- | | |
| 25 | SHRUTI RAVINDRA KAMBLE | 08 | --- | --- | | |
| 26 | TANVI ARUN GHAVAT | 08 | --- | --- | | |
| 27 | TEJAL RAVINDRA GANDOLE | 08 | --- | --- | | |
| 28 | UMERKHAN HARUN KHAN | 08 | | | | |
| 29 | VISHAKHA RAJENDRA REWADE | 08 | | | | |
| | **Total of (1 to 29)** | **224** | --- | --- | | |

06.01.2022

Name and Signature of Teacher/s

(J. G. Suryawanshi)

PRINCIPAL
Adarsha Science J.B. Arts
Birla Comm. Mahavidyalay
Dhamangaon (Rly.)

Signature of H. O. D.

(S. O. Qureshee)

HEAD
Department of Zoology
Adarsha Mahavidyalaya
Dhamangaon Rly.

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Appendix -V

Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks : 21-22

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc.II ( Sem – III)
Subject : Zoology
Paper (With Title) – III S
(Life & Diversity of Chordata & Concept of Evolution)
Designation: Professor
Designation: Asstt. Professor

Name of Teacher: Dr. S. O. Qureshee
: J. G. Suryawanshi

| Sr. No. | Name of the Student | Marks Awarded | | | | Total Max. Marks: 20 |
|---|---|---|---|---|---|---|
| | | Assignment / Project Assignment Max. Marks: | Seminar / G.D. Max. Marks | Study Tour / Industrial Visit / Visit to Educational Institutes / Research Organizations / Field Work | Unit test Max. Marks: | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | ADITYA ANIL AHIR | 04 | 00 | --- | 10 | 20 |
| 2 | ANJU ANILRAO DHANKE | 04 | 06 | --- | 10 | 20 |
| 3 | ANUJA UDAY NISHAN | 04 | 06 | --- | 10 | 20 |
| 4 | ANURADHA PRAKASH BAGADE | 04 | 06 | --- | 10 | 20 |
| 5 | ASMITA SUSHIL SHRIRAME | 04 | 06 | --- | 10 | 20 |
| 6 | DIKSHA SHIVDAS DHANKE | 04 | 06 | --- | 10 | 20 |
| 7 | GAYATRI PRADIP NIKAM | 04 | 06 | --- | 10 | 20 |
| 8 | GAYATRI GHANSHYAMRAO GULHANE | 04 | 00 | --- | 10 | 20 |
| 9 | GAYATRI PRAMOD CHANDURE | 04 | 06 | --- | 10 | 20 |
| 10 | PAYAL SURESH KAMBLE | 04 | 06 | --- | 10 | 20 |
| 11 | PUNAM PRAKASH MESHRAM | 04 | 06 | --- | 10 | 20 |
| 12 | PUNAM RAMDASJI CHAKOLE | 04 | 06 | --- | 10 | 20 |
| 13 | SAKSHI DINESHRAO INGALE | 04 | 06 | --- | 10 | 20 |
| 14 | SAKSHI GOPAL KALE | 04 | 06 | --- | 10 | 20 |
| 15 | SAMIKSHA GOPALRAO THAKARE | 04 | 06 | --- | 10 | 20 |
| 16 | SANJANA NARESHARAO WANKHADE | 04 | 06 | --- | 10 | 20 |
| 17 | SAYALI AJAYRAO GULHANE | 04 | 06 | --- | 10 | 20 |
| 18 | SEJAL RAJESH MOTGHARE | 04 | 06 | --- | 10 | 20 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 19 | SHIVANI VASUDEVRAO AKADE | 04 | 06 | — | 10 | 20 |
| 20 | SHREYA ARUN THAKUR | 04 | 06 | — | 07 | 17 |
| 21 | SNEHAL DINESHRAO DURGE | 04 | 06 | — | 10 | 20 |
| 22 | VAIDEHI VILAS KHEDEKAR | 04 | 06 | — | 10 | 20 |
| 23 | YADAVI MANOHAR GAWANDE | 04 | 06 | — | 10 | 20 |
| | **Total of(1 to 12)** | **92** | **138** | — | **227** | **457** |

06-01-2022

Name and Signature of Teacher's
(J. G. Suryawanshi)

PRINCIPAL
Adarsha Science J B Arts
Birla Comm. Mahavidyalay
Dhamangaon (Rly.)

Signature of H. O. D.
(S. O. Qureshee)
HEAD
Department of Zoology
Adarsha Mahavidyalaya
Dhamangaon Rly.

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Appendix -V

Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks : 21-22

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc.IIII ( Sem – V)
Subject : Zoology
Paper (With Title) – V S
(Animal Physiology & Economic Zoology)
Designation: Associate Professor
Designation: Asstt. Professor

Name of Teacher: Dr. S. O. Qureshee
: J. G. Suryawanshi

| Sr. No. | Name of the Student | Marks Awarded | | | | Total Max. Marks: 20 |
|---|---|---|---|---|---|---|
| | | Assignment / Project Assignment Max. Marks: | Seminar / G.D. Max. Marks | Study Tour / Industrial Visit / Visit to Educational Institutes / Research Organizations / Field Work | Unit test Max. Marks: | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | KU. CHANCHAL GAWARLE | 04 | 06 | --- | 10 | 20 |
| 2 | KU. DINESHWARI J. SHELAR | 04 | 06 | --- | 10 | 20 |
| 3 | KU. GAURI BUDHE | 04 | 06 | --- | 10 | 20 |
| 4 | KU. GAURI KHANDARKAR | 04 | 06 | --- | 10 | 20 |
| 5 | KU. GAYATRI BANTE | 04 | 06 | --- | 10 | 20 |
| 6 | KU. ISHA UNONE | 04 | 06 | --- | 10 | 20 |
| 7 | KU. NIKITA GHAVADE | 04 | 06 | --- | 10 | 20 |
| 8 | KU. PALLAVI CHUMURKAR | 04 | 06 | --- | 10 | 20 |
| 9 | KU. PRADNYA WASNIK | 04 | 06 | --- | 10 | 20 |
| 10 | KU. PRATIKSHA BHOYAR | 04 | 06 | --- | 10 | 20 |
| 11 | KU. PRITI SULTANE | 04 | 06 | --- | 10 | 20 |
| 12 | KU. SAKSHI NIKAM | 04 | 06 | --- | 10 | 20 |
| 13 | KU. SAKSHI POLE | 04 | 06 | --- | 10 | 20 |
| 14 | KU. SAKSHI SHINDE | 04 | 06 | --- | 10 | 20 |
| 15 | KU. SAKSHI SHRIRAME | 04 | 06 | --- | 10 | 20 |
| 16 | KU. SHREYA KANDALKAR | 04 | 06 | --- | 10 | 20 |
| 17 | KU. SHWETA KALE | 04 | 06 | --- | 10 | 20 |
| 18 | KU. SONAL PARKHANDE | 04 | 06 | --- | 10 | 20 |
| | | 72 | 108 | --- | 180 | 360 |

06.01.2022
Name and Signature of Teacher
(J. G. Suryawanshi)

PRINCIPAL
Adarsha Science J.B. Arts
Birla Comm. Mahavidyalay
Dhamangaon (Rly.)

Signature of H. O. D.
(S. O. Qureshee)
HEAD
Department of Zoology
Adarsha Mahavidyalaya
Dhamangaon Rly.

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Appendix -V

Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks : 21-22

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dharmangaon Rly

Class : B.Sc.I ( Sem – II)
Subject : Zoology
Paper (With Title) – II S
(Cell and Developmental Biology data)
Designation: Professor
Designation: Asstt. Professor

Name of Teacher: Dr. S. Q. Qureshee
: J. G. Suryawanshi

| Sr. No. | Name of the Student | Marks Awarded | | | | Total Max. Marks: 20 |
|---|---|---|---|---|---|---|
| | | Assignment / Project Assignment Max. Marks: 08 | Seminar / G.D. Max. Marks | Study Tour / Industrial Visit / Visit to Educational Institutes / Research Organizations / Field Work | Unit test Max. Marks: 12 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | ABHAY PRASHANT RAUT | 08 | — | — | 12 | 20 |
| 2 | AKANKSHA AVADHUT WAHANE | 08 | — | — | 12 | 20 |
| 3 | ANISHA SHIVKUMAR KADU | 08 | — | — | 12 | 20 |
| 4 | APEKSHA ARUN DONGARDIVE | 08 | — | — | 12 | 20 |
| 5 | ARPAN MILIND AJMIRE | 08 | — | — | 12 | 20 |
| 6 | ASHISH RAJENDRA UIKE | 08 | — | — | 12 | 20 |
| 7 | BILALSHEIKH MOHAMAD SALIMSHEIKH | 08 | — | — | 12 | 20 |
| 8 | CHANCHAL RAMESHSING BHIVARKAR | 00 | — | — | 00 | 00 |
| 9 | DHANASHRI SURESH KALE | 08 | — | — | 12 | 20 |
| 10 | GAYATRI PRADIP RAJANKAR | 08 | — | — | 12 | 20 |
| 11 | KIRAN MAROTRAO DAROKAR | 08 | — | — | 12 | 20 |
| 12 | KOMAL BHAGWATRAO TATTE | 08 | — | — | 12 | 20 |
| 13 | MAHIMA VIJAY SHIRPURKAR | 08 | — | — | 12 | 20 |
| 14 | NIKITA VILAS WANKHADE | 08 | — | — | 12 | 20 |
| 15 | PRACHI GAJENDRA BORGHATE | 08 | — | — | 12 | 20 |
| 16 | PAVAN PURUSHOTTAM NAGPURE | 08 | — | — | 12 | 20 |
| 17 | PRAJWAL DILIP PATIL | 08 | — | — | 12 | 20 |
| 18 | PRAJWAL NARENDRA SONONE | 08 | — | — | 12 | 20 |
| 19 | PRATIKSHA GAJANAN BHARTI | 08 | — | — | 12 | 20 |
| 20 | RUCHA PRAMOD INGLE | 08 | — | — | 12 | 20 |
| 21 | RUCHITA JITENDRA DUBE | 08 | — | — | 12 | 20 |

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Record of Inter[illegible] Assessment Mar[illegible]
(One Assignme[illegible]s [illegible]

[illegible]ence, J.B. Arts & Birla

| | | | | | | |
|---|---|---|---|---|---|---|
| 22 | SAKSHI ANAND ATALKAR | 08 | --- | --- | 12 | 20 |
| 23 | SAMIKSHA VIJAY SAMBHE | 08 | --- | --- | 12 | 20 |
| 24 | SANSKRUTI AMARSINH DESHMUKH | 08 | --- | --- | 12 | 20 |
| 25 | SHRUTI RAVINDRA KAMBLE | 08 | --- | --- | 12 | 20 |
| 26 | TANVI ARUN GHAVAT | 08 | --- | --- | 12 | 20 |
| 27 | TEJAL RAVINDRA GANDOLE | 08 | --- | --- | 12 | 20 |
| 28 | UMERKHAN HARUN KHAN | 08 | | | 12 | 20 |
| 29 | VISHAKHA RAJENDRA REWADE | 08 | | | 12 | 20 |
| | **Total of (1 to 29)** | **224** | --- | --- | **336** | **560** |

16.5.22

Name and Signature of Teacher/s

(J. G. Suryawanshi)

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

(S. O. Qureshee)
HEAD
Department of Zoology
Adarsha Science, J. B. Arts &
Birla Commerce Mahavidyalaya
Dhamangaon Rly

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Appendix -X

Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks :21-22

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc.II ( Sem – IV)
Subject : Zoology
Paper (With Title) – IV S
(Advanced Genetics and Animal Ecology)
Designation: Professor
Designation: Asst. Professor

Name of Teacher: Dr. S. O. Qureshee
: J. G. Suryawanshi

| Sr. No. | Name of the Student | Marks Awarded | | | | Total Max. Marks: 20 |
|---|---|---|---|---|---|---|
| | | Assignment / Project Assignment Max. Marks: | Seminar / G.D. Max. Marks | Study Tour / Industrial Visit / Visit to Educational Institutes / Research Organizations / Field Work | Unit test Max. Marks: | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | ADITYA ANIL AHIR | 04 | 06 | — | 10 | 20 |
| 2 | ANJU ANILRAO DHANKE | 04 | — | 06 | 10 | 20 |
| 3 | ANKITA UDAY NISHAN | 04 | — | 06 | 10 | 20 |
| 4 | ANURADHA PRAKASH BAGADE | 04 | — | 06 | 10 | 20 |
| 5 | ASMITA SUSHIL SHRIRAME | 04 | — | 06 | 10 | 20 |
| 6 | DIKSHA SHIVDAS DHANKE | 04 | — | 06 | 10 | 20 |
| 7 | GAYATRI PRADIP NIKAM | 04 | — | 06 | 10 | 20 |
| 8 | GAYATRI GHANSHYAMRAO GULHANE | 04 | — | 00 | 10 | 20 |
| 9 | GAYATRI PRAMOD CHANDURE | 04 | — | 06 | 10 | 20 |
| 10 | PAYAL SURESH KAMBLE | 04 | 06 | — | 10 | 20 |
| 11 | PUNAM PRAKASH MESHRAM | 04 | — | 06 | 10 | 20 |
| 12 | PUNAM RAMDASJI CHAKOLE | 04 | — | 06 | 10 | 20 |
| 13 | SAKSHI DINESHRAO INGALE | 04 | — | 06 | 10 | 20 |
| 14 | SAKSHI GOPAL KALE | 04 | — | 06 | 10 | 20 |
| 15 | SAMIKSHA GOPALRAO THAKARE | 04 | — | 06 | 10 | 20 |
| 16 | SANJANA NARESHARAO WANKHADE | 04 | — | 06 | 10 | 20 |
| 17 | SAYALI AJAYRAO GULHANE | 04 | — | 06 | 10 | 20 |
| 18 | SEJAL RAJESH MOTGHARE | 04 | — | 06 | 10 | 20 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 19 | SHIVANI VASUDEVRAO AKADE | 04 | --- | 06 | 10 | 20 |
| 20 | SHREYA ARUN THAKUR | 04 | 06 | --- | 10 | 20 |
| 21 | SNEHAL DINESHRAO DURGE | 04 | --- | 06 | 10 | 20 |
| 22 | VAIDEHI VILAS KHEDEKAR | 04 | --- | 06 | 10 | 20 |
| 23 | VADAVI MANOHAR GAWANDE | 04 | --- | 06 | 10 | 20 |
| | **Total of(1 to 23)** | **92** | **120** | **138** | **230** | **460** |

14.5.22

Name and Signature of Teacher/s
(J. G. Suryawanshi)

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dharmapuri Dist

Signature of H. O. D.
(S. G. Quraishee)
HEAD
Department of Zoology
Adarsha Science, J. B. Arts &
Birla Commerce Mahavidyalaya
Dharmapuri Dist

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Appendix -V

Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc.IIII ( Sem – VI )
Subject : Zoology
Paper (With Title) – VIS (Molecular Bio & Biotech.)

Name of Teacher: Dr. S. O. Qureshee — Designation: Associate Professor
: J. G. Suryawanshi — Designation: Asstt. Professor

| Sr. No. | Name of the Student | Marks Awarded | | | | Total Max. Marks: 20 |
|---|---|---|---|---|---|---|
| | | Assignment / Project Assignment Max. Marks: | Seminar / G.D. Max. Marks | Study Tour / Industrial Visit / Visit to Educational Institutes / Research Organizations / Field Work | Unit test Max. Marks: | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | KU. CHANCHAL GAWARLE | 04 | --- | 06 | 10 | 20 |
| 2 | KU. DINESHWARI J. SHELAR | 04 | --- | 06 | 10 | 20 |
| 3 | KU. GAURI BUDHE | 04 | --- | 06 | 10 | 20 |
| 4 | KU. GAURI KHANDARKAR | 04 | 06 | --- | 10 | 20 |
| 5 | KU. GAYATRI BANTE | 04 | --- | 06 | 10 | 20 |
| 6 | KU. ISHA UNONE | 04 | --- | 06 | 10 | 20 |
| 7 | KU. NIKITA GHAVADE | 04 | --- | 06 | 10 | 20 |
| 8 | KU. PALLAVI CHUMURKAR | 04 | --- | 06 | 10 | 20 |
| 9 | KU. PRADNYA WASNIK | 04 | --- | 06 | 10 | 20 |
| 10 | KU. PRATIKSHA BHOYAR | 04 | --- | 06 | 10 | 20 |
| 11 | KU. PRITI SULTANE | 04 | --- | 06 | 10 | 20 |
| 12 | KU. SAKSHI NIKAM | 04 | --- | 06 | 10 | 20 |
| 13 | KU. SAKSHI POLE | 04 | --- | 06 | 10 | 20 |
| 14 | KU. SAKSHI SHINDE | 04 | --- | 06 | 10 | 20 |
| 15 | KU. SAKSHI SHRIRAME | 04 | --- | 06 | 10 | 20 |
| 16 | KU. SHREYA KANDALKAR | 04 | --- | 06 | 10 | 20 |
| 17 | KU. SHWETA KALE | 04 | 06 | --- | 10 | 20 |
| 18 | KU. SONAL PARKHANDE | 04 | --- | 06 | 10 | 20 |
| | **Total of (1 to 18)** | **72** | **12** | **96** | **180** | **360** |

14.5.22

Name and Signature of Teacher
(J. G. Suryawanshi)

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya Dhamangaon Rly.

Signature of H. O. D.
(S. O. Qureshee)
Department of Zoology
Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya Dhamangaon Rly

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**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date:-06.12.2021**

All the students of **B.Sc.I/Semester I (Microbiology)** are hereby informed that their topics for **assignment (Internal assessment marks)** have been allotted. All students will be required to submit this assignment **on or before 30th Dec. 2021.** All are advised to note the same.

| Sr. No. | Name Of Student | Topic for Assignment |
|---|---|---|
| 1 | Abhay Prashant Raut | Growth curve of bacterial population |
| 2 | Aditya ArunraoBhatkule | Synchronous culture of bacteria |
| 3 | Akanksha AvadhutWahane | Methods of reproduction in bacteria |
| 4 | Anisha Shivkumar Kadu | Structure and function of ribosome |
| 5 | Aparna Mahadeo Masram | Nutritional classification of microorganism |
| 6 | Apeksha Arun Dongardive | Structure and function of Cytoplasmic membrane of bacteria |
| 7 | Arpan Milind Ajmire | Solidifying Agents |
| 8 | Ashish Rajendra Uike | Structure of Bacterial flagella (Gram + & Gram – ve) |
| 9 | Bilalsheikh Mohamad Salimsheikh | Chemical composition & functions of Capsule of bacteria |
| 10 | Chanchal RameshsingBhivarikar | Different methods of isolation of Pure Culture |
| 11 | Dhanashri Suresh Kale | Methods of Preservation of Pure Cultures |
| 12 | Gayatri Pradip Rajankar | Different types of media used in Microbiology |
| 13 | Gayatri PundlikraoNikhade | Structure of cell wall of gram + and gram — bacteria |
| 14 | Gayatri Sanjay Mude | Characteristics and structure of bacterial endospore |
| 15 | Kalyani Kiran Thakare | Methods of Determination of nutritional requirements |
| 16 | Kiran MarotraoDarokar | Basic nutritional requirements of microorganisms |
| 17 | KomalBhagwatraoTatte | Concept of prokaryotes and eucaryotes |
| 18 | Komal Bharat Madavi | General characters and classes of Plasmids |
| 19 | Mahek Sayeed Khan | Shape, arrangement and structure of bacterial cell |
| 20 | Mahima Vijay Shirpurkar | Different Types of media |
| 21 | Neha Rajeshrao Raut | Role of beef extract, yeast extract and peptone in media |
| 22 | Nikita Pravin Thakare | Different methods of reproduction in bacteria |
| 23 | Nikita Vilas Wankhade | Growth rate and generation time |
| 24 | Pavan PurushottamNagpure | Continuous culture of microorganism |
| 25 | Prachi Bharat Patil | Factors influencing bacterial growth |
| 26 | Prachi Gajendra Borghate | Prokaryotic and eukaryotic ribosomes |
| 27 | Prachi SatyanarayanSuryoday | Flagella staining (Principle, method) |
| 28 | Prajwal Dilip Patil | Contribution of Leeuwenhoek |
| 29 | Prajwal Narendra Sonone | Functions of various parts of Compound Microscope |
| 30 | Pratiksha Gajanan Bharti | Acid fast staining (Principle, method and mechanism) |
| 31 | Renuka RameshraoWankhade | Contributions of Robert Koch |
| 32 | Rucha Pramod Ingle | Compound Microscope (principle, ray diagram, etc) |
| 33 | Ruchita Jitendra Dube | Scope of Genetic Engineering and Molecular biology |
| 34 | RutujaHaridasDambale | Contributions of Schulze, Schwann and Von Dusch and Shroeder |
| 35 | Sadiya Parveen M. Shakil | Flourescence Microscope (principle, ray diagram, etc) |
| 36 | Sakshi Anand Atalkar | Beneficial and harmful activities of microorganisms |
| 37 | Sakshi Sanjay Joshi | Gram staining (Principle, method and mechanism) |
| 38 | Sambodhi Vijay Borkar | Transmission electron microscope |
| 39 | Samiksha Vijay Sambhe | Phase contrast microscope (ray diagram, etc) |
| 40 | SamruddhiSudhakarrao Chaudhari | Scope of Industrial Microbiology and Biotechnology |
| 41 | Sandesh Ravindra Ugale | Endospore staining (Principle,method) |
| 42 | SanskrutiAmarsinh Deshmukh | General characteristics of Fungi |
| 43 | Sanvidha Anand Mane | Dye, stain, classification of dyes, chromogen, leucostain, mordent |
| 44 | Sejal Gajanan Chandekar | Pure culture concept |
| 45 | Shraddha Manoj Raut | Germ theory of disease |
| 46 | ShravaniMohanraoThakare | Scope of Environmental Microbiology and Medical Microbiology |
| 47 | Shreya Vasant Bansod | Contributions of Louis Pastuer and John Tyndall |
| 48 | Shruti Ravindra Kamble | Scanning electron microscope |
| 49 | SnehalShyamsundarVidulkar | General characteristics of Algae |
| 50 | Swati Shankar Mehakare | General characteristics of Viruses |

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| | | |
|---|---|---|
| 51 | Tanvi Arun Ghavat | Pili of bacteria |
| 52 | Tejal Ravindra Gandole | Bacterial chromosome |
| 53 | TejasNivruttiZibad | Characteristics and structure of bacterial endospore |
| 54 | Tejas Sudhir Pawar | Methods of Determination of nutritional requirements |
| 55 | TujesNilkanthRajurkar | Basic nutritional requirements of microorganisms |
| 56 | Umerkhan Harun Khan | Concept of prokaryotes and eucaryotes |
| 57 | Vaishnavi Bhaiyyasaheb Chaudhari | General characters and classes of Plasmids |
| 58 | Vidhan Amol Sthul | Scope of Genetic Engineering and Molecular biology |
| 59 | Virendra Vijay Kale | Contributions of Schulze, Schwann and Von Dusch and Shroeder |
| 60 | Vishakha Rajendra Rewade | Flourescence Microscope (principle, ray diagram, etc) |
| 61 | Vrushali Gajanan Kadu | Beneficial and harmful activities of microorganisms |
| 62 | Yash Pramod Sote | Gram staining (Principle, method and mechanism) |

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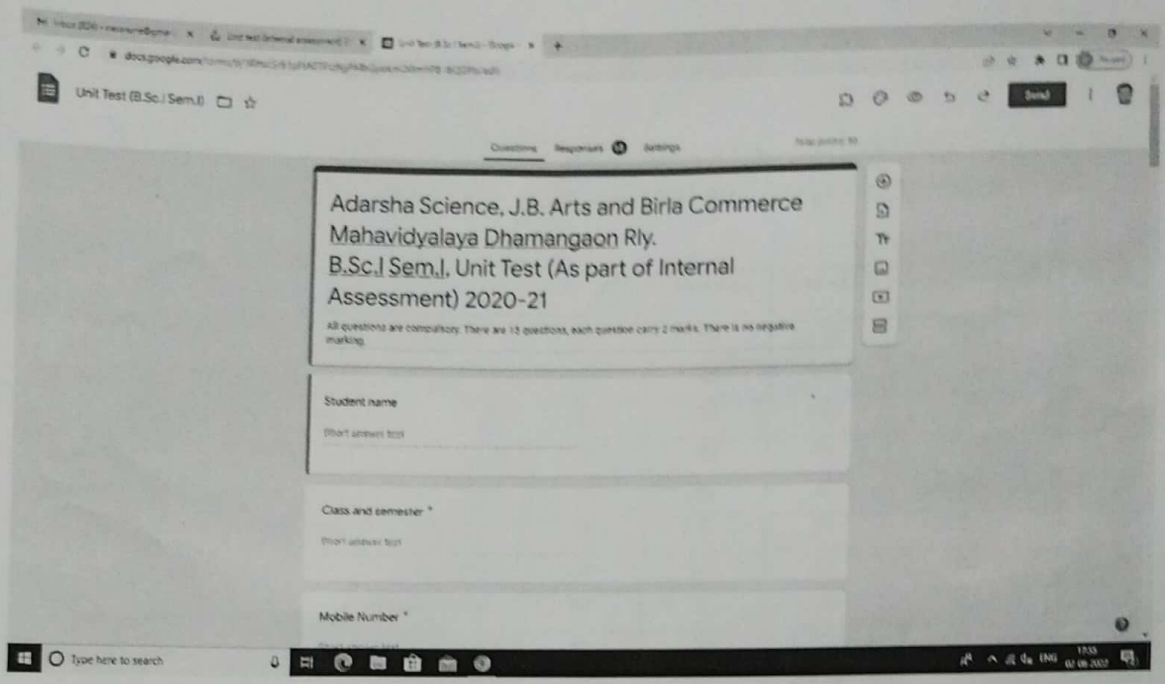
**Department Of Microbiology**

**Notice** **Date:06/12/2021**

All the students of B. Sc. Part II semester –I Microbiology are hereby informed that their class test (as a part of their internal assessment) will be conducted on 17/02/2021 at 2.55 am. All students must remain present for this test examination.

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Department of Microbiology
Adarsha Scl., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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## Adarsha Science, J.B. Arts and Birla Commerce MahavidyalayaDhamangaon Rly.
## B.Sc. I Sem I Internal marks (Unit test and Assignment), Winter 2021

| S.N | Name | Roll No. | Class test I | Class test II | Out of 12 | Assignment(08) | Total |
|---|---|---|---|---|---|---|---|
| 1 | Abhay Prashant Raut | 21AB110471 | 28 | 28 | 12 | 08 | 20 |
| 2 | Aditya ArunraoBhatkule | 21AB110475 | 30 | 28 | 12 | 08 | 20 |
| 3 | Akanksha AvadhutWahane | 21AB110476 | 28 | 30 | 12 | 08 | 20 |
| 4 | Anisha Shivkumar Kadu | 21AB110478 | 22 | 20 | 10 | 08 | 18 |
| 5 | Aparna Mahadeo Masram | 21AB110480 | 24 | 28 | 12 | 08 | 20 |
| 6 | Apeksha Arun Dongardive | 21AB110481 | 26 | 30 | 12 | 08 | 20 |
| 7 | Arpan Milind Ajmire | 21AB110482 | 30 | 30 | 12 | 08 | 20 |
| 8 | Ashish Rajendra Uike | 21AB110483 | 30 | 30 | 12 | 08 | 20 |
| 9 | Bilalsheikh M. Salimsheikh | 21AB110485 | 30 | 30 | 12 | 08 | 20 |
| 10 | Dhanashri Suresh Kale | 21AB110486 | 30 | 30 | 12 | 08 | 20 |
| 11 | Gayatri Pradip Rajankar | 21AB110490 | 26 | 30 | 12 | 08 | 20 |
| 12 | Gayatri PundlikraoNikhade | 21AB110491 | 24 | 28 | 12 | 08 | 20 |
| 13 | Gayatri Sanjay Mude | 21AB110493 | 24 | 28 | 12 | 08 | 20 |
| 14 | Kalyani Kiran Thakare | 21AB110497 | 30 | 30 | 12 | 08 | 20 |
| 15 | Kiran MarotraoDarokar | 21AB110499 | 30 | 30 | 12 | 08 | 20 |
| 16 | KomalBhagwatraoTatte | 21AB110500 | 26 | 28 | 12 | 08 | 20 |
| 17 | Mahek Sayeed Khan | 21AB110503 | 24 | 22 | 12 | 08 | 20 |
| 18 | Mahima Vijay Shirpurkar | 21AB110504 | 26 | 30 | 12 | 08 | 20 |
| 19 | Neha Rajeshrao Raut | 21AB110509 | 28 | 30 | 12 | 08 | 20 |
| 20 | Nikita Pravin Thakare | 21AB110511 | 30 | 28 | 12 | 08 | 20 |
| 21 | Nikita Vilas wankhade | 21AB110513 | 30 | 30 | 12 | 08 | 20 |
| 22 | Pavan PurushottamNagpure | 21AB110515 | 30 | 30 | 12 | 08 | 20 |
| 23 | Prachi Bharat Patil | 21AB110516 | 26 | 30 | 12 | 08 | 20 |
| 24 | Prachi Gajendra Borghate | 21AB110517 | 28 | 30 | 12 | 08 | 20 |
| 25 | Prachi SatyanarayanSuryoday | 21AB110519 | 24 | 30 | 12 | 08 | 20 |
| 26 | Prajwal Dilip Patil | 21AB110520 | 30 | 30 | 12 | 08 | 20 |
| 27 | Prajwal Narendra Sonone | 21AB110521 | 30 | 30 | 12 | 08 | 20 |
| 28 | Pratiksha Gajanan Bharti | 21AB110526 | 26 | 30 | 12 | 08 | 20 |
| 29 | Renuka RameshraoWankhade | 21AB110532 | 16 | 30 | 12 | 08 | 20 |
| 30 | Rucha Pramod Ingle | 21AB110536 | 28 | 30 | 12 | 08 | 20 |
| 31 | Ruchita Jitendra Dube | 21AB110537 | 24 | 30 | 12 | 08 | 20 |
| 32 | Rutuja HaridasDambale | 21AB110540 | 24 | 30 | 12 | 08 | 20 |
| 33 | Sadiya Parveen M. Shakil | 21AB110541 | 22 | 30 | 12 | 08 | 20 |
| 34 | Sakshi Anand Atalkar | 21AB110543 | 26 | 26 | 12 | 08 | 20 |
| 35 | Sakshi Sanjay Joshi | 21AB110545 | 30 | 30 | 12 | 08 | 20 |
| 36 | Sambodhi Vijay Borkar | 21AB110546 | 26 | 30 | 12 | 08 | 20 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37 | Samiksha Vijay Sambhe | 21AB110548 | 30 | 26 | 12 | 08 | 20 |
| 38 | Samruddhi S. Chaudhari | 21AB110549 | 28 | 28 | 12 | 08 | 20 |
| 39 | Sanskruti A. Deshmukh | 21AB110553 | 26 | 30 | 12 | 08 | 20 |
| 40 | Sejal Gajanan Chandekar | 21AB110555 | 30 | 30 | 12 | 08 | 20 |
| 41 | Shraddha Manoj Raut | 21AB110559 | 24 | 28 | 12 | 08 | 20 |
| 42 | Shravani MohanraoThakare | 21AB110560 | 30 | 28 | 12 | 08 | 20 |
| 43 | Shreya Vasant Bansod | 21AB110562 | 30 | 30 | 12 | 08 | 20 |
| 44 | Shruti Ravindra Kamble | 21AB110564 | 28 | 30 | 12 | 08 | 20 |
| 45 | Snehal Shyamsundar Vidulkar | 21AB110568 | 26 | 28 | 12 | 08 | 20 |
| 46 | Swati Shankar Mehakare | 21AB110570 | 28 | 26 | 12 | 08 | 20 |
| 47 | Tanvi Arun Ghavat | 21AB110571 | 30 | 30 | 12 | 08 | 20 |
| 48 | Tejal Ravindra Gandole | 21AB110572 | 28 | 26 | 12 | 08 | 20 |
| 49 | Tejas Nivrutti Zibad | 21AB110574 | 30 | 30 | 12 | 08 | 20 |
| 50 | Tujes Nilkanth Rajurkar | 21AB110577 | 28 | 30 | 12 | 08 | 20 |
| 51 | Umerkhan Harun Khan | 21AB110580 | 26 | 28 | 12 | 08 | 20 |
| 52 | Vaishnavi B. Chaudhari | 21AB110581 | 28 | 28 | 12 | 08 | 20 |
| 53 | Vidhan Amol Sthul | 21AB110585 | 30 | 30 | 12 | 08 | 20 |
| 54 | Virendra Vijay Kale | 21AB110587 | 30 | 28 | 12 | 08 | 20 |
| 55 | Vishakha Rajendra Rewade | 21AB110588 | 28 | 28 | 12 | 08 | 20 |
| 56 | Vrushali Gajanan Kadu | 21AB110589 | 28 | 28 | 12 | 08 | 20 |
| 57 | Yash Pramod Sote | 21AB110590 | 30 | 30 | 12 | 08 | 20 |
| 58 | Tejas Pawar | ~~21AB110650~~ 21AB123378 | -- | --- | 00 | 08 | 08 |

Signature of HOD

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

Signature of Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Department of Microbiology**

**Notice** **Date: 06/12/2021**

All the students of **B.Sc.II/Semester III** are hereby informed that their topics for **project assignment and Seminar(Internal assessment marks)** in **Microbiology** have been allotted. All students will be required to submit this assignment **on or before 30th December 2021**. All are advised to note the same.

| S.N. | Name of Student | Topic for seminar |
|---|---|---|
| 1 | Aashumikucheriya | Physical mutagens |
| 2 | Aditya ahir | Polymerase chain reaction PCR |
| 3 | Akanksha kharbade | Isolation of genomic DNA from bacteria |
| 4 | Anju AnilraoDhanke | Mutation by acrydene dyes |
| 5 | Anuja Uday Nishan | Characters of genetic code |
| 6 | Anuradha padurangpinjari | DNA replication mechanism |
| 7 | Anuradha Bagade | Health benefits of probiotics |
| 8 | Arpita Nandakishorbadwaik | Induced mutation by ultraviolet radiations |
| 9 | Asmita Sushil Shrirame | Vectors used in gene cloning |
| 10 | Diksha shivdasdhanke | Probiotic organisms |
| 11 | Diksha walke | Restriction endonuclease |
| 12 | Gayatri G. Gulhane | Construction of gene library |
| 13 | Gayatri Pradip Nikam | DNA probes in disease diagnosis |
| 14 | Gayatri p. Chandure | Agarose gel electrophoresis |
| 15 | KhushaliPundlikraoTarhekar | DNA replication process |
| 16 | Krishna BrijmohanChandak | Isolation of plasmid DNA from bacteria |
| 17 | Nikita sunilraosote | Recombinant insulin |
| 18 | Mrunalsantoshraosawant | Transgenic plants |
| 19 | Payalchaware | DNA ligase |
| 20 | Payalkamble | DNA polymerase |
| 21 | Pratik v. Nagrikar | Chemical mutagens |
| 22 | Punam Prakash Meshram | Hfr formation |
| 23 | Punamramdasjichakole | Nucleases |
| 24 | Sahil Nilesh bhoyar | Enzymes for splicing |
| 25 | Sakshi DineshraoIngale | Plasmids as vectors |
| 26 | Sakshi ganeshthakare | Cosmids |
| 27 | Sakshi Gopal Kale | Vectors used in genetic engineering |
| 28 | Sakshi badhiye | Mutation by X rays |
| 29 | Samiksha GopalraoThakare | Mutation by UV rays |
| 30 | Sanjana Naresharaowankhade | Dark repair mechanism |
| 31 | Sonali Anil Kalpande | Transcription |
| 32 | Sayaligulhane | Enzymes involved in DNA replication |
| 33 | Sejal Rajesh Mothghare | Induced mutations |
| 34 | Shital kokate | Spontaneous mutation |
| 35 | Shivani vasudevAkade | Conjugation between F+ and F- cell |
| 36 | Shreya Thakur | Lac operon |
| 37 | SnehalDineshraodurge | Griffith experiment on transformation |
| 38 | Sankalp Malviya | Basic technique of genetic engineering |
| 39 | Tejas Sanjay gawarle | Transgenic plants |
| 40 | Vaishnavi narayansundarkar | Mechanism of transformation |
| 41 | Vaishnavi pethe | Lederberg – Tatum experiment on conjugation |
| 42 | Vaidehikhedekar | Spontaneous mutation |
| 43 | Yadavigawande | Mechanism of transduction |

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department Of Microbiology**

**Notice** **Date:06/12/21**

All the students of B. Sc. Part II semester –III Microbiology are hereby informed that their topic for seminar (as a part of their internal assessment) has been finalized. Students are advised to note their topics for seminar.

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Dhamangaon Rly

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department Of Microbiology**

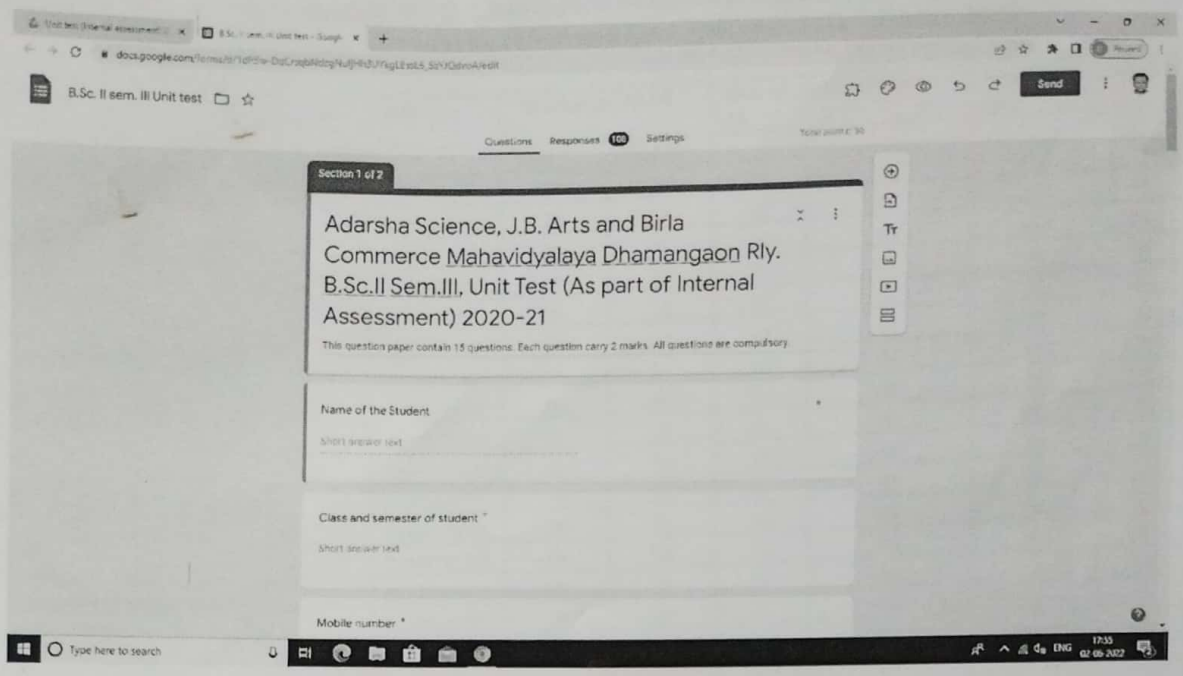
**Notice**

**Date:06/12/2021**

All the students of B. Sc. Part II semester –III Microbiology are hereby informed that their class test (as a part of their internal assessment) will be conducted on 06/02/2021 at 2.55 am. All students must remain present for this test examination.

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Adarsha Science, J.B. Arts
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Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla,
Commerce Mahavidyalaya,
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# Adarsha Science, J.B. Arts and Birla Commerce MahavidyalayaDhamangaon Rly.
## B.Sc. II Sem III Internal marks (Unit test and Assignment), Winter 2021

| S.N | Name | Roll No. | Marks out of 30 | | Out of 10 | Assignment (04) | Seminar (06) | Total |
|---|---|---|---|---|---|---|---|---|
| | | | Test I | Test II | | | | |
| 1 | Aashumi Ashok Kucheriya | 21AB310668 | 22 | 20 | 07 | 04 | 06 | 17 |
| 2 | Aditya Anil Ahir | 21AB310672 | 24 | 24 | 10 | 04 | 04 | 18 |
| 3 | Akanksha BaluKharbade | 21AB310675 | 20 | 26 | 10 | 04 | 06 | 20 |
| 4 | Anju AnilraoDhanke | 21AB310681 | 28 | 24 | 10 | 04 | 06 | 20 |
| 5 | Anuja Uday Nishan | 21AB310683 | 28 | 24 | 10 | 04 | 06 | 20 |
| 6 | Anuradha PandurangjiPinjari | 21AB310684 | 28 | 24 | 10 | 04 | 06 | 20 |
| 7 | Anuradha Prakash Bagade | 21AB310685 | 24 | 24 | 10 | 04 | 06 | 20 |
| 8 | Arpita NandkishorBadwaik | 21AB310687 | 00 | 00 | 00 | 00 | 00 | 00 |
| 9 | Asmita Sushil Shrirame | 21AB310689 | 24 | 30 | 10 | 04 | 06 | 20 |
| 10 | Diksha ShivdasDhanke | 21AB310697 | 26 | 24 | 10 | 04 | 06 | 20 |
| 11 | Gayatri Ghanshyam Gulhane | 21AB310700 | 26 | 26 | 10 | 04 | 06 | 20 |
| 12 | Gayatri Pradip Nikam | 21AB310701 | 28 | 26 | 10 | 04 | 06 | 20 |
| 13 | Gayatri Pramod Chandure | 21AB310702 | 24 | 24 | 10 | 04 | 06 | 20 |
| 14 | KhushaliPundlikraoTarhekar | 21AB310711 | 28 | 26 | 10 | 04 | 06 | 20 |
| 15 | Krishna BrijmohanChandak | 21AB310712 | 28 | 28 | 10 | 04 | 06 | 20 |
| 16 | Mrunal Santosh Sawant | 21AB310717 | 28 | 26 | 10 | 04 | 06 | 20 |
| 17 | Nikita SunilraoSote | 21AB310719 | 22 | 26 | 10 | 04 | 06 | 17 |
| 18 | Payal Balram Chavare | 21AB310720 | 22 | 22 | 07 | 04 | 06 | 20 |
| 19 | Payal Suresh Kamble | 21AB310721 | 26 | 26 | 10 | 04 | 06 | 20 |
| 20 | Pratik Vijay Nagrikar | 21AB310726 | 24 | 22 | 10 | 04 | 06 | 20 |
| 21 | Punam Prakash Meshram | 21AB310729 | 22 | 28 | 10 | 04 | 06 | 20 |
| 22 | Punam Ramdas Chakole | 21AB310730 | 22 | 28 | 10 | 04 | 06 | 20 |
| 23 | Sahil Nilesh Bhoyar | 21AB310737 | 24 | 22 | 10 | 04 | 06 | 20 |
| 24 | Sakshi DineshraoIngale | 21AB310738 | 26 | 26 | 10 | 04 | 06 | 20 |
| 25 | Sakshi Ganesh Thakare | 21AB310739 | 22 | 30 | 10 | 04 | 06 | 20 |
| 26 | Sakshi Gopal Kale | 21AB310740 | 22 | 28 | 10 | 04 | 06 | 20 |
| 27 | Sakshi Janardhan Badhiye | 21AB310741 | 22 | 20 | 07 | 04 | 06 | 17 |
| 28 | Samiksha GopalraoThakare | 21AB310742 | 24 | 28 | 10 | 04 | 06 | 20 |
| 29 | Sanjana Naresh Wankhade | 21AB310744 | 24 | 30 | 10 | 04 | 06 | 20 |
| 30 | Sankalp Shyam Malviya | 21AB310745 | 22 | 22 | 07 | 04 | 06 | 17 |
| 31 | SayaliAjayraoGulhane | 21AB310747 | 22 | 16 | 07 | 04 | 06 | 17 |
| 32 | Sejal Rajesh Motghare | 21AB310748 | 26 | 24 | 10 | 04 | 06 | 20 |
| 33 | Shital Gajanan Kokate | 21AB310750 | 22 | 26 | 10 | 04 | 06 | 20 |
| 34 | Shivani VasudevraoAkade | 21AB310753 | 24 | 24 | 10 | 04 | 06 | 20 |
| 35 | Shreya Arun Thakur | 21AB310754 | 22 | 24 | 10 | 04 | 06 | 20 |
| 36 | SnehalDineshraoDurge | 21AB310760 | 24 | 24 | 10 | 04 | 06 | 20 |
| 37 | Sonali Anil Kalpande | 21AB310763 | 28 | 24 | 10 | 04 | 06 | 20 |
| 38 | TejasSanjayraoGawarle | 21AB310768 | 24 | 26 | 10 | 04 | 06 | 20 |
| 39 | Vaidehi Vilas Khedekar | 21AB310771 | 24 | 30 | 10 | 04 | 06 | 20 |
| 40 | Vaishnavi Narayan Sundarkar | 21AB310773 | 28 | 26 | 10 | 04 | 06 | 20 |
| 41 | Vaishnavi Prakash Pethe | 21AB310774 | 22 | 30 | 10 | 04 | 06 | 20 |
| 42 | Yadavi Manohar Gawande | 21AB310779 | 22 | 14 | 07 | 04 | 06 | 17 |

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**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Date:06/12/2021**

**-Notice-**

All the students of **B.Sc.III/Semester V** are hereby informed that their topics for **project assignment and Seminar (Internal assessment marks)** in **Microbiology** have been allotted. All students will be required to submit this assignment **on or before 30th December 2021**. All are advised to note the same.

| Sr.No. | Name of Student | Topic |
|---|---|---|
| 01 | Chanchal Gajendra Gawarle | Symbiotic Nitrogen Fixation |
| 02 | Dineshwari Jitendra Shelar | Bioleaching |
| 03 | Gauri Ashokrao Budhe | Isotopic Tracer technique |
| 04 | Gauri Dinesh Khandarkar | Biodegradation of pesticides |
| 05 | Gayatri Pramod Bante | Air sanitation |
| 06 | Isha Vijay Unone | Septic tank |
| 07 | Nikita Rajabhau Ghavade | Imhoff tank |
| 08 | Pallavi Gajananrao Chimurkar | Biological control of insects |
| 09 | Pradnya Manikrao Wasnik | Biomedical wastes |
| 10 | Pratiksha Gajanan Bhoyar | Drinking water standard (BIS) |
| 11 | Pratiksha Kishor Parteki | Sampling of Air |
| 12 | Priti Shankarrao Sultane | IR Specroscopy |
| 13 | Sakshi Anil Nikam | Paper electrophoresis |
| 14 | Sakshi Manoj Shinde | Bioremediation |
| 15 | Sakshi Rajendra Shrirame | Gel electrophoresis |
| 16 | Sakshi Vitthal Pole | Anaerobic sludge digestion |
| 17 | Shreya Vinodrao Kandalkar | Biodegradation of Polythene bags |
| 18 | Shweta Brahmanand Kale | Rapid sand Filter |
| 19 | Siddhant Rajendrarao Dhokame | Air pollution |
| 20 | Sonal Pramodrao Parkhade | Biodeterioration of wood |
| 21 | Aastha LaxmanraoWasnik | Biological control of insects |
| 22 | Achal Vijay Nagrikar | Biofertilizers |
| 23 | Apeksha Shivdatta Garad | Chloriantion |
| 24 | Ashwini PramodraoWankhade | Water Pollution |
| 25 | Bhagyashri VijayraoWanjari | Antibacterial effects of ginger |
| 26 | Diksha Shashikant Choube | Antibacterial effects of garlic |
| 27 | Dinesh Narandraji Dagwar | Antimicrobial effects of Tulsi |
| 28 | Divya Sunil Chauragade | Paper Chromatography |
| 29 | Janavi Hemrajji Titare | UV Spectroscopy |
| 30 | Kanchan Arvind Nyahare | Nonsymbiotic Nitrogen Fixation |
| 31 | Monali Nitinrao Bhure | Humus formation |
| 32 | Nikhita Gajanan Karangale | Trickling filter |
| 33 | Nikita Vasant Patil | Activated sludge process |
| 34 | Palak Avinash Raut | Oxidation pond |
| 35 | Pallavi Diliprao Golait | Antibacterial effects of clove oil |
| 36 | Reena Rameshrao Khandare | Biogas production |
| 37 | Samiksha Gajanan Thor | Antibacterial effect of Cow urine on bacteria |
| 38 | Sejal Sudeshrao Arekar | Decomposition of plant and animal residues in soil |
| 39 | Shivani Raju Bhalerao | Atmosphere and its layers |
| 40 | Shraddha Dattaji Pinjari | Mechanism of nitrogen fixation |
| 41 | Shrutika Arun Bhoyar | Antibacterial effects of neem extract |
| 42 | Sujal Babanrao Choudhari | Antibacterial effects of turmeric |
| 43 | Vaishnavi Laxmanrao Kardikar | Antibacterial effects of honey |
| | | |
| | | |

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**Department Of Microbiology**

**Notice** **Date:06/12/21**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their topic for seminar (as a part of their internal assessment) has been finalized. Students are advised to note their topics for seminar.

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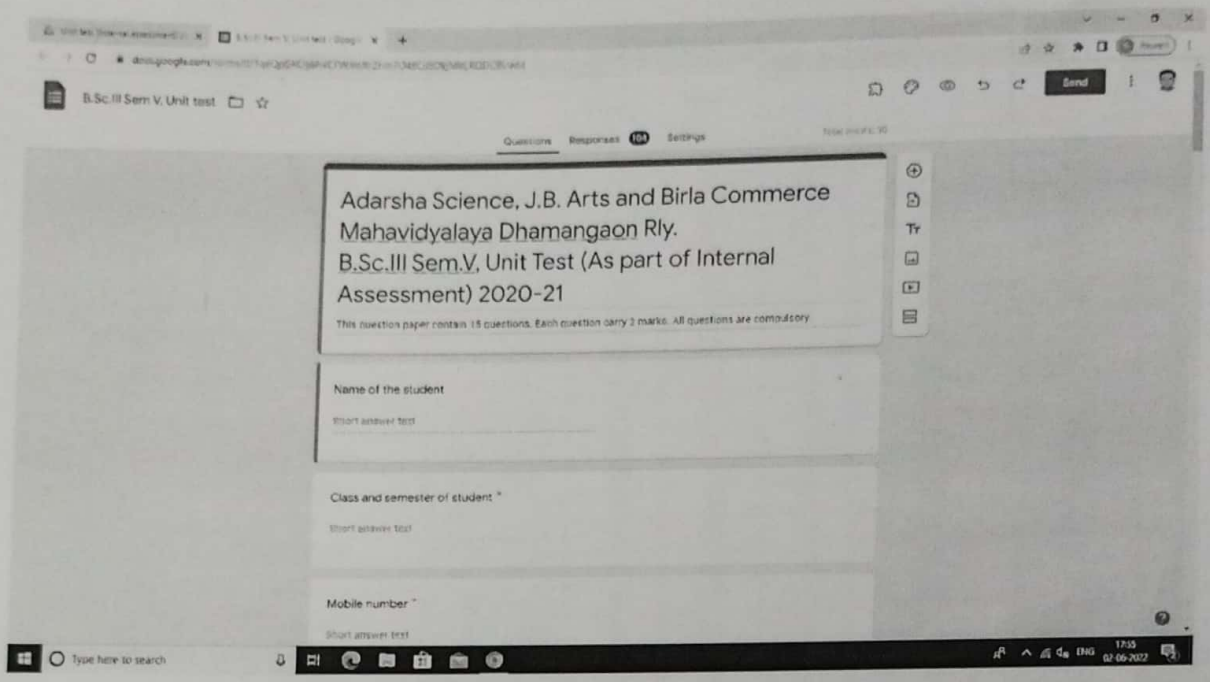
**Department Of Microbiology**

**Notice** **Date:06/12/2021**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their class test (as a part of their internal assessment) will be conducted on 11/01/2021 at 2.55 am. All students must remain present for this test examination.

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**Adarsha Science, J.B. Arts and Birla Commerce MahavidyalayaDhamangaon Rly.**
**B.Sc. III Sem V Internal marks (Unit test and Assignment), Winter 2021**

| S.N | Name | Roll No. | Marks out of 30 | | Out of 10 | Assignment (04) | Seminar (06) | Total |
|---|---|---|---|---|---|---|---|---|
| | | | Test I | Test II | | | | |
| 1 | Aastha LaxmanraoWasnik | 21AB510542 | 28 | 30 | 10 | 04 | 06 | 20 |
| 2 | Achal Vijay Nagrikar | 21AB510544 | 26 | 24 | 10 | 04 | 06 | 20 |
| 3 | AkshataArunraoLokhande | 21AB510548 | 26 | 26 | 10 | 04 | 06 | 20 |
| 4 | ApekshaShivdattaGarad | 21AB510556 | 28 | 28 | 10 | 04 | 06 | 20 |
| 5 | Ashwini Pramod Wankhade | 21AB510559 | 26 | 26 | 10 | 04 | 06 | 20 |
| 6 | Bhagyashri Vijay Wanjari | 21AB510561 | 26 | 24 | 10 | 04 | 06 | 20 |
| 7 | Chanchal Gajendra Gawarle | 21AB510565 | 28 | 24 | 10 | 04 | 06 | 20 |
| 8 | Diksha Shashikant Choube | 21AB510567 | 26 | 28 | 10 | 04 | 06 | 20 |
| 9 | Dinesh Narendra Dagwar | 21AB510568 | 28 | 30 | 10 | 04 | 06 | 20 |
| 10 | Dineshwari Jitendra Shelar | 21AB510569 | 26 | 24 | 10 | 04 | 06 | 20 |
| 11 | Divya Sunil Chauragade | 21AB510571 | 28 | 30 | 10 | 04 | 06 | 20 |
| 12 | Gauri AshokraoBudhe | 21AB510572 | 28 | 30 | 10 | 04 | 06 | 20 |
| 13 | Gauri Dinesh Khandarkar | 21AB510573 | 18 | 24 | 10 | 04 | 06 | 20 |
| 14 | Gayatri Pramod Bante | 21AB510574 | 26 | 26 | 10 | 04 | 06 | 20 |
| 15 | Isha Vijay Unone | 21AB510577 | 30 | 28 | 10 | 04 | 06 | 20 |
| 16 | JanaviHemrajjiTitare | 21AB510578 | 28 | 24 | 10 | 04 | 06 | 20 |
| 17 | Kanchan Arvind Nyahare | 21AB510579 | 26 | 26 | 10 | 04 | 06 | 20 |
| 18 | MonaliNitinraoBhure | 21AB510587 | 20 | 22 | 07 | 04 | 06 | 17 |
| 19 | Nikhita Gajanan Karangale | 21AB510590 | 26 | 28 | 10 | 04 | 06 | 20 |
| 20 | Nikita RajabhauGhavade | 21AB510591 | 28 | 28 | 10 | 04 | 06 | 20 |
| 21 | Palak Avinash Raut | 21AB510595 | 28 | 28 | 10 | 04 | 06 | 20 |
| 22 | Pallavi DilipraoGolait | 21AB510596 | 28 | 26 | 10 | 04 | 06 | 20 |
| 23 | Pallavi Gajanan Chimurkar | 21AB510597 | 28 | 30 | 10 | 04 | 06 | 20 |
| 24 | PradnyaManikraoWasnik | 21AB510601 | 26 | 30 | 10 | 04 | 06 | 20 |
| 25 | Pratiksha Gajanan Bhoyar | 21AB510608 | 28 | 28 | 10 | 04 | 06 | 20 |
| 26 | Pratiksha Kishor Parteki | 21AB510609 | -- | 26 | 10 | 04 | 06 | 20 |
| 27 | PritiShankarraoSultane | 21AB510611 | 28 | 30 | 10 | 04 | 06 | 20 |
| 28 | Reena Ramesh Khandare | 21AB510614 | 28 | 28 | 10 | 04 | 06 | 20 |
| 29 | Sakshi Anil Nikam | 21AB510616 | 28 | 30 | 10 | 04 | 06 | 20 |
| 30 | Sakshi Manoj Shinde | 21AB510619 | 28 | 30 | 10 | 04 | 06 | 20 |
| 31 | Sakshi Rajendra Shrirame | 21AB510621 | 28 | 26 | 10 | 04 | 06 | 20 |
| 32 | Sakshi Vitthal Pole | 21AB510625 | 28 | 30 | 10 | 04 | 06 | 20 |
| 33 | Samiksha Gajanan Thor | 21AB510626 | 28 | 28 | 10 | 04 | 06 | 20 |
| 34 | SejalBabanraoChoudhari | 21AB510628 | 28 | 26 | 10 | 04 | 06 | 20 |
| 35 | SejalSudeshraoArekar | 21AB510629 | 28 | 30 | 10 | 04 | 06 | 20 |
| 36 | Shivani Raju Bhalerao | 21AB510631 | 26 | 26 | 10 | 04 | 06 | 20 |
| 37 | Shraddha DattajiPinjari | 21AB510632 | 26 | 26 | 10 | 04 | 06 | 20 |
| 38 | Shreya VinodraoKandalkar | 21AB510633 | 20 | 24 | 10 | 04 | 06 | 20 |
| 39 | Shrutika Arun Bhoyar | 21AB510635 | 28 | -- | 10 | 04 | 06 | 20 |
| 40 | Shweta Brahmanand Kale | 21AB510636 | 28 | 30 | 10 | 04 | 06 | 20 |
| 41 | Siddhant Rajendra Dhokane | 21AB510639 | 28 | 30 | 10 | 04 | 06 | 20 |
| 42 | Sonal Pramod Parkhande | 21AB510640 | 26 | 22 | 10 | 04 | 06 | 20 |
| 43 | Vaishnavi Laxman Kardikar | 21AB510650 | 28 | 28 | 10 | 04 | 06 | 20 |

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**Department Of Microbiology**

**Notice** **Date: 01/04/2022**

All the students of B. Sc. Part I semester –II Microbiology are hereby informed that their topic for assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their topic and submit on or before 30th April 2022.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Abhay Prashant Raut | Mechanism of cell injury |
| 2 | Aditya ArunraoBhatkule | Applied aspects of microorganism in agriculture |
| 3 | Akanksha AvadhutWahane | Chemotherapeutic agents (Penicillin and tetracycline) |
| 4 | Anisha Shivkumar Kadu | Classification of viruses |
| 5 | Aparna Mahadeo Masram | Cultivation of viruses |
| 6 | Apeksha Arun Dongardive | Control of microorganism by high temperature |
| 7 | Arpan Milind Ajmire | Control of microorganism by radiations |
| 8 | Ashish Rajendra Uike | Control of microorganism by filtration |
| 9 | Bilalsheikh M. Salimsheikh | Control of microorganism by halogens |
| 10 | Dhanashri Suresh Kale | Control of microorganism by heavy metals |
| 11 | Gayatri Pradip Rajankar | Gaseous sterilization |
| 12 | Gayatri PundlikraoNikhade | Control of microorganism by physical agents |
| 13 | Gayatri Sanjay Mude | Control of microorganism by chemical agents |
| 14 | Kalyani Kiran Thakare | Components of computer system |
| 15 | Kiran MarotraoDarokar | MS word |
| 16 | KomalBhagwatraoTatte | Internet---useful application |
| 17 | Mahek Sayeed Khan | Creating emails |
| 18 | Mahima Vijay Shirpurkar | What are bio-pesticides? Give advantages over chemical pesticides. |
| 19 | Neha Rajeshrao Raut | Tabulation and classification of data |
| 20 | Nikita Pravin Thakare | Explain morphology of viruses with suitable examples and diagram |
| 21 | Nikita Vilas wankhade | Describe LHT system of classification of viruses |
| 22 | Pavan PurushottamNagpure | Discuss cultivation of viruses by tissue culture method |
| 23 | Prachi Bharat Patil | Explain lysogeny in details |
| 24 | Prachi Gajendra Borghate | Describe different glycosidic linkages & draw structures of maltose and lactose |
| 25 | Prachi SatyanarayanSuryoday | What are biofertilizers? Give examples and applications. |
| 26 | Prajwal Dilip Patil | Discuss cultivation of viruses by animal inoculation and chick embryo method |
| 27 | Prajwal Narendra Sonone | Discuss moist and dry heat sterilization in detail |
| 28 | Pratiksha Gajanan Bharti | What are vaccines? Give types and benefits of vaccines. |
| 29 | Renuka RameshraoWankhade | Describe antibiotics in details |
| 30 | Rucha Pramod Ingle | How amino acids are classified? Discuss concept of peptide bond |
| 31 | Ruchita Jitendra Dube | Give out line of classification of lipids |
| 32 | RutujaHaridasDambale | What is biodegradation? Explain in details |
| 33 | Sadiya Parveen M. Shakil | Discus Watson and Crick model of DNA and explain its structure |
| 34 | Sakshi Anand Atalkar | What is biodegradation? Discuss importance of biodegradation in nature |
| 35 | Sakshi Sanjay Joshi | What are purines and pyrimidines? Illustrate with structures |
| 36 | Sambodhi Vijay Borkar | Explain the structure of mRNA |
| 37 | Samiksha Vijay Sambhe | Discuss tRNA in brief |
| 38 | Samruddhi S. Chaudhari | Give out line of classification of amino acids |
| 39 | Sanskruti A. Deshmukh | What is bioleaching? Explain |
| 40 | Sejal Gajanan Chandekar | Discuss ribosomal rRNA in details |
| 41 | Shraddha Manoj Raut | Explain classification of monosaccharide with examples |
| 42 | ShravaniM.Thakare | Explain different types of structures of protein |
| 43 | Shreya Vasant Bansod | Describe various polysaccharides that you have studied |
| 44 | Shruti Ravindra Kamble | Explain morphology of viruses with suitable examples and diagrams. |
| 45 | SnehalShyamsundarVidulkar | Define polysaccharides? Explain two example. |
| 46 | Swati Shankar Mehakare | What are nucleosides & nucleotides? Illustrate with structures |
| 47 | Tanvi Arun Ghavat | Define monosaccharides? Explain two example. |
| 48 | Tejal Ravindra Gandole | Define disaccharides? Explain two example. |
| 49 | TejasNivruttiZibad | Control of microorganism by osmotic pressure. |
| 50 | TujesNilkanthRajurkar | Chemotherapeutic agents (Norfloxacin). |

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| | | |
|---|---|---|
| 51 | Umerkhan Harun Khan | Explain life cycle in details. |
| 52 | Vaishnavi R. Chaudhari | Measure of central tendency in brief. |
| 53 | Vidhan Amol Sthul | What is correlation? Explain in details. |
| 54 | Virendra Vijay Kale | Describe different models of data presentation. |
| 55 | Vishakha Rajendra Rewade | Describe in detail memory concept of computer. |
| 56 | Vrushali Gajanan Kadu | MS power point. |
| 57 | Yash Pramod Sote | What is interferon? Describe in detail. |
| 58 | TejasPawar | Discovery of viruses. |

Dr. N.A.Sonune
Head

Dr. Y. B. Gandole
Principal

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 01/04/2022

## NOTICE

All the students B. Sc. Part I Semester - II Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted offline on 21th April 2022 at 01.15 pm. All Students must remain present for the test examination.

Units For Test Examination: **Unit No. II- Microbial control and Unit No. IV- Basic Biochemistry**

Dr. N. A. Sonune
Head

Dr. Y. B. Gandole
Principal

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# Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part I 2 S – Microbiology (Microbiology, Biochemistry, Biostatics & Computer)**

**Unit II & IV**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Toxicity of heavy metals in small concentration is called ----------action.

ii) Ultravoilet light is an example of ---------- rediation.

iii) Proteins are the polymers of ----------.

.iv) The structure of DNA was proposed by ----------and----------.

(B) Choose the correct answer. (2)

(i) The temperature-pressure combination for an autoclave is ----------

a. 100° C and 4 psi b. 121° C and 15 psi c. 131° C and 9 psi d. 115° C and 3 psi

(ii) Destroying or removing all forms of microbial life is called as ----------

a. Disinfection b. Sterilization c. Antiseptic d. Sanitization

(iii) Nitrogen bases in RNA are ----------.

a. A G C T b. A G C U c. both a & b d. none of the above

(iv) By-product of acetone-butanol fermentation include

a. Glycosidic linkage b. Peptide linkage c. Electrostatic linkage d. Coherent linkage

(C) Give the answer of following in ONE sentence each. (2)

a) Define antiseptic.

b) What are heteropolysaccharides?

Que 2 What are chemotherapeutic agents? Describe any two chemotherapeutic agent used in treatment of diseases. (12)

OR

What is moist heat sterilization? Discuss methods of moist heat sterilization . (12)

Que 3 a)Give the classification of carbohydrates in brief . (4)

b) Draw structure of purine and pyrimidine base. (4)

c) Give any six properties of DNA. (4)

or

d) Describe in brief elementary structure of protein. (4)

e) Describe the structure of t-RNA. (4)

f) What are phospholipids? Give examples. (4)

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**Adarsha Science, J.B. Arts and Birla Commerce MahavidyalayaDhamangaon Rly.**
**Class: B.Sc. I Sem II**
**Subject: Microbiology**
**Internal marks Summer-2022**

| Sr. No. | Name of the student | Unit test Score (30) | Unit test mark (12 M) | Assignment (8M) | Total marks (20 M) |
|---|---|---|---|---|---|
| 1 | Abhay Prashant Raut | 28 | 12 | 08 | 20 |
| 2 | Aditya ArunraoBhatkule | 21 | 10 | 08 | 18 |
| 3 | Akanksha AvadhutWahane | 24 | 12 | 08 | 20 |
| 4 | Anisha Shivkumar Kadu | 27 | 12 | 08 | 20 |
| 5 | Aparna Mahadeo Masram | 16 | 07 | 08 | 15 |
| 6 | Apeksha Arun Dongardive | 24 | 12 | 08 | 20 |
| 7 | Arpan Milind Ajmire | 28 | 12 | 08 | 20 |
| 8 | Ashish Rajendra Uike | 21 | 10 | 08 | 18 |
| 9 | Bilalsheikh M. Salimsheikh | 28 | 12 | 08 | 20 |
| 10 | Dhanashri Suresh Kale | 22 | 10 | 08 | 18 |
| 11 | Gayatri Pradip Rajankar | 28 | 12 | 08 | 20 |
| 12 | Gayatri PundlikraoNikhade | 24 | 12 | 08 | 20 |
| 13 | Gayatri Sanjay Mude | 24 | 12 | 08 | 20 |
| 14 | Kalyani Kiran Thakare | 24 | 12 | 08 | 20 |
| 15 | Kiran MarotraoDarokar | 27 | 12 | 08 | 20 |
| 16 | KomalBhagwatraoTatte | 24 | 12 | 08 | 20 |
| 17 | Mahek Sayeed Khan | 24 | 12 | 08 | 20 |
| 18 | Mahima Vijay Shirpurkar | 20 | 10 | 08 | 18 |
| 19 | Neha Rajeshrao Raut | 22 | 10 | 08 | 18 |
| 20 | Nikita Pravin Thakare | 22 | 10 | 08 | 18 |
| 21 | Nikita Vilas wankhade | 24 | 12 | 08 | 20 |
| 22 | Pavan PurushottamNagpure | 26 | 12 | 08 | 20 |
| 23 | Prachi Bharat Patil | 27 | 12 | 08 | 20 |
| 24 | Prachi Gajendra Borghate | 27 | 12 | 08 | 20 |
| 25 | Prachi SatyanarayanSuryoday | 22 | 10 | 08 | 18 |
| 26 | Prajwal Dilip Patil | 18 | 10 | 08 | 18 |
| 27 | Prajwal Narendra Sonone | 21 | 10 | 08 | 18 |
| 28 | Pratiksha Gajanan Bharti | 20 | 10 | 08 | 18 |
| 29 | Renuka RameshraoWankhade | 25 | 12 | 08 | 20 |
| 30 | Rucha Pramod Ingle | 28 | 12 | 08 | 20 |
| 31 | Ruchita Jitendra Dube | 26 | 12 | 08 | 20 |
| 32 | RutujaHaridasDambale | 28 | 12 | 08 | 20 |
| 33 | Sadiya Parveen M. Shakil | 22 | 10 | 08 | 18 |
| 34 | Sakshi Anand Atalkar | 24 | 12 | 08 | 20 |
| 35 | Sakshi Sanjay Joshi | 25 | 12 | 08 | 20 |
| 36 | Sambodhi Vijay Borkar | 29 | 12 | 08 | 20 |
| 37 | Samiksha Vijay Sambhe | 26 | 12 | 08 | 20 |
| 38 | Samruddhi S. Chaudhari | 24 | 12 | 08 | 20 |
| 39 | Sanskruti A. Deshmukh | 24 | 12 | 08 | 20 |
| 40 | Sejal Gajanan Chandekar | 22 | 10 | 08 | 18 |
| 41 | Shraddha Manoj Raut | 26 | 12 | 08 | 20 |
| 42 | ShravaniMohanraoThakare | 25 | 12 | 08 | 20 |
| 43 | Shreya Vasant Bansod | 30 | 12 | 08 | 20 |
| 44 | Shruti Ravindra Kamble | 24 | 12 | 08 | 20 |
| 45 | SnehalShyamsundarVidulkar | 24 | 12 | 08 | 20 |
| 46 | Swati Shankar Mehakare | 26 | 12 | 08 | 20 |
| 47 | Tanvi Arun Ghavat | 24 | 12 | 08 | 20 |
| 48 | Tejal Ravindra Gandole | 26 | 12 | 08 | 20 |
| 49 | TejasNivruttiZibad | 22 | 10 | 08 | 18 |

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| | | | | | |
|---|---|---|---|---|---|
| 50 | TujesNilkanthRajurkar | 27 | 12 | 08 | 20 |
| 51 | Umerkhan Harun Khan | 24 | 12 | 08 | 20 |
| 52 | Vaishnavi B. Chaudhari | 24 | 12 | 08 | 20 |
| 53 | Vidhan Amol Sthul | 11 | 07 | 08 | 15 |
| 54 | Virendra Vijay Kale | 14 | 07 | 08 | 15 |
| 55 | VishakhaRajendraRewade | 28 | 12 | 08 | 20 |
| 56 | Vrushali Gajanan Kadu | 24 | 12 | 08 | 20 |
| 57 | Yash Pramod Sote | 24 | 12 | 08 | 20 |
| 58 | TejasPawar | AB | 00 | 00 | 00 |

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department Of Microbiology**

**Notice** **Date: 01/04/2022**

All the students of B. Sc. Part II semester –IV Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 30th April 2022.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Aashumikucheriya | Widal test |
| 2 | Aditya ahir | Antigenic determinants |
| 3 | Akanksha kharbade | Ig G (Immunoglobulin G) |
| 4 | Anju AnilraoDhanke | Ig A (Immunoglobulin A) |
| 5 | Anuja Uday Nishan | Ig M (Immunoglobulin M) |
| 6 | Anuradha padurangpinjari | RPR Test |
| 7 | Anuradha Bagade | ELISA test |
| 8 | Arpita Nandakishorbadwaik | Precipitation Serological Reaction |
| 9 | Asmita Sushil Shrirame | Agglutination Serological Reaction |
| 10 | Diksha shivdasdhanke | Structure of antibody |
| 11 | Diksha walke | Monoclonal antibody |
| 12 | Gayatri G.Gulhane | Factors determining antigenecity |
| 13 | Gayatri Pradip Nikam | Serological diagnosis of typhoid |
| 14 | Gayatri p. Chandure | Serological diagnosis of syphilis |
| 15 | KhushaliPundlikraoTarhekar | Factors determining pathogenecity of *S. aureus* |
| 16 | Krishna BrijmohanChandak | Antigenic characters of *Salmonella typhi* |
| 17 | Nikita sunilraosote | Pathogenecity of *Vibrio cholerae* |
| 18 | Mrunalsantoshraosawant | Prophylaxis of *Vibrio cholerae* |
| 19 | Payalchaware | Modes of disease transmission |
| 20 | Payalkamble | Pathogenecity of *S. aureus* |
| 21 | Pratik v. Nagrikar | Types of infections |
| 22 | Punam Prakash Meshram | Microbial virulence factors |
| 23 | Punamramdasjichakole | Control of communicable diseases |
| 24 | Sahil Nilesh bhoyar | Organs of immune system |
| 25 | Sakshi DineshraoIngale | Cells of immune system |
| 26 | Sakshi ganeshthakare | Complement fixation test |
| 27 | Sakshi Gopal Kale | Acquired active immunity |
| 28 | Sakshi badhiye | Acquired passive immunity |
| 29 | Samiksha GopalraoThakare | Hypersensitivity |
| 30 | Sanjana Naresharaowankhade | Pathogenic ity of *Mycobacterium tuberculosis* |
| 31 | Sonali Anil Kalpande | Pathogenecity of *Treponema pallidum* |
| 32 | Sayaligulhane | Pathogenecity of *Clostridium tetani* |
| 33 | Sejal Rajesh Mothghare | Control of AIDS |
| 34 | Shital kokate | Pathogenic aspects of *Candida albicans* |
| 35 | Shivani vasudevAkade | Pathogenic aspects of *Entamoeba histolytica* |
| 36 | Shreya Thakur | Rabies |
| 37 | SnehalDineshraodurge | Antifungal agents (mode of action & applications) |
| 38 | Sankalp Malviya | Antiviral agents (mode of action & applications) |
| 39 | Tejas Sanjay gawarle | Polio – Types, Causes & Symptoms |
| 40 | Vaishnavi narayansundarkar | Polio – Prevention |
| 41 | Vaishnavi pethe | Polio – Global Eradication Initiative |
| 42 | Vaidehikhedekar | Monoclonal antibodies |
| 43 | Yadavigawande | Innate immunity |

Dr. N.A.Sonune
Head

Dr. Y. B. Gandole
Principal

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 01/04/2022

## NOTICE

All the students B. Sc. Part II Semester - IV Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted offline on 22th April 2022 at 2.55 pm. All Students must remain present for the test examination.

Units For Test Examination: **Unit No. III Serology and Unit No. V- Other pathogenic organisms**

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part II 4 S – Microbiology (Medical Microbiology)**

**Unit III & V**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Antibodies are called as ----------.

ii) Incomplete antigens are called as --------.

iii) The term viral hepatitis refers to a primary infection of the ---------.

.iv) Persistent Generalized Lymphadenopathy that means enlargement of ----------.

(B) Choose the correct answer. (2)

(i) The largest immunoglobulin molecule containing 5 monomer units is----------.

a. IgG b. IgM c. IgA d. IgD

(ii) Antibodies produced from hybridoma of single B- cell clone are called as----------antibody.

a. Polyclonal b. Monoclonal c. Both the above d. none of the above

(iii) HIV is known as retrovirus because, it has an enzyme ----------

a. Amylase b. Lipase c. Cellulaes d. Reverse transcriptase

(iv) The causative agent of Amoebiasis is----------

a. *E. coli* b. *Hepatitis A* c. *R. prowozakii* d. *E. histolytica*

(C) Give the answer of following in ONE sentence each. (2)

a) What is an epitope

b) What is paralytic polio?

Que 2 Describe in detail ELISA and its types.. (12)

OR

Describe the structure and properties of IgG and IgM in detail. (12)

Que 3 a) Describe pathogenicity of R. prowazekii. (4)

b) Describe the morphology of *E.histolytica*. (4)

c) Draw a well labelled diagram of HIV virus. (4)

or

d) What is jaundice? Explain lab-diagnosis of HAV. (4)

e) Draw a well labeled diagram of Rabies virus.. (4)

f) Define poliomyelitis. How the disease control by using immunizing agents? (4)

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part II 4 S – Microbiology (Medical Microbiology)**

**Unit III & V**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Antibodies are called as ----------.

ii) Incomplete antigens are called as --------.

iii) The term viral hepatitis refers to a primary infection of the ---------.

.iv) Persistent Generalized Lymphadenopathy that means enlargement of ----------.

(B) Choose the correct answer. (2)

(i) The largest immunoglobulin molecule containing 5 monomer units is----------.

a. IgG b. IgM c. IgA d. IgD

(ii) Antibodies produced from hybridoma of single B- cell clone are called as----------antibody.

a. Polyclonal b. Monoclonal c. Both the above d. none of the above

(iii) HIV is known as retrovirus because, it has an enzyme ----------

a. Amylase b. Lipase c. Cellulaes d. Reverse transcriptase

(iv) The causative agent of Amoebiasis is----------

a. *E. coli* b. *Hepatitis A* c. *R. prowozakii* d. *E. histolytica*

(C) Give the answer of following in ONE sentence each. (2)

a) What is an epitope

b) What is paralytic polio?

Que 2 Describe in detail ELISA and its types.. (12)

OR

Describe the structure and properties of IgG and IgM in detail. (12)

Que 3 a) Describe pathogenicity of R. prowazekii. (4)

b) Describe the morphology of *E.histolytica*. (4)

c) Draw a well labelled diagram of HIV virus. (4)

or

d) What is jaundice? Explain lab-diagnosis of HAV. (4)

e) Draw a well labeled diagram of Rabies virus.. (4)

f) Define poliomyelitis. How the disease control by using immunizing agents? (4)


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Department of Microbiology

B.Sc.II Semester IV Tour report submission (2021-22)

| Sr. No. | Name of Student | Signature |
|---|---|---|
| 1 | Aashumi Kucheriya | Akucheriya |
| 2 | Aditya Ahir | |
| 3 | Akanksha Kharbade | |
| 4 | Anju Anilrao Dhanke | Adhanke |
| 5 | Anuja Uday Nishan | Nishan |
| 6 | Anuradha Padurang Pinjari | |
| 7 | Anuradha Bagade | Abagade |
| 8 | Arpita Nandakishor Badwaik | |
| 9 | Asmita Sushil Shrirame | Ashriramd |
| 10 | Diksha Shivdas Dhanke | DShanke |
| 11 | Diksha Walke | |
| 12 | Gayatri G. Gulhane | Gulhane |
| 113 | Gayatri Pradip Nikam | Gnikam |
| 14 | Gayatri P.Chandure | Gchandure |
| 15 | KhushaliPundlikraoTarhekar | Ktarhekar |
| 16 | Krishna Brijmohan Chandak | Kchandak |
| 17 | Nikita Sunilrao Sote | NSote |
| 18 | MrunalSantoshrao Sawant | MSawant |
| 19 | Payal Chaware | Pchaware |
| 20 | Payal Kamble | |
| 21 | Pratik V. Nagrikar | Pnagrikar |
| 22 | Punam Prakash Meshram | Pmeshram |
| 23 | Punam Ramdasji Chakole | Pchakole |
| 24 | Sahil Nilesh Bhoyar | Sbhoyar |
| 25 | Sakshi Dineshrao Ingale | SIngale |
| 26 | Sakshi Ganesh Thakare | SThakare |
| 27 | Sakshi Gopal Kale | Skale |
| 28 | Sakshi Badhiye | Sbadhiye |
| 29 | Samiksha GopalraoThakare | Sthakare |
| 30 | Sanjana Naresharao Wankhade | Swankhede |
| 31 | Sonali Anil Kalpande | Skalpande |
| 32 | Sayali Gulhane | Sgulhane |
| 33 | Sejal Rajesh Mothghare | Smothghare |
| 34 | Shital Kokate | Skokate |
| 35 | Shivani Vasudev Akade | Sakade |
| 36 | Shreya Thakur | |
| 37 | Snehal Dineshrao Durge | Sdurge |
| 38 | Sankalp Malviya | |
| 39 | Tejas Sanjay gawarle | Tgawarle |
| 40 | Vaishnavi Narayan Sundarkar | Vsundarkar |
| 41 | Vaishnavi Pethe | Vpethe |
| 42 | Vaidehi Khedekar | Vkhedekar |
| 43 | Yadavi Gawande | Ygawande |

(Dr. N. A. Sonune)

Head

(Dr. Y. B. Gandole)

Principal

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**Adarsha Science, J.B. Arts and Birla CommerceMahavidyalayaDhamangaon Rly.**
**Class: B.Sc. II Sem IV**
**Subject: Microbiology**
**Internal marks Summer-2022**

| Sr. No. | Name of the Student | Unit Test Score (30) | Unit test mark (10 M) | Assignment (04 M) | Seminar (06 M) | Tour (6 M) | Total marks (20 M) |
|---|---|---|---|---|---|---|---|
| 1 | AashumiKucheriya | 27 | 10 | 04 | | 06 | 20 |
| 2 | Aditya Ahir | 17 | 05 | 04 | 06 | | 15 |
| 3 | Akanksha Balukharbade | 27 | 10 | 04 | | 06 | 20 |
| 4 | Anju AnilraoDhanke | 28 | 10 | 04 | | 06 | 20 |
| 5 | Anuja Uday Nishan | 26 | 10 | 04 | | 06 | 20 |
| 6 | Anuradha PadurangPinjari | 27 | 10 | 04 | | 06 | 20 |
| 7 | Anuradha Prakash Bagade | 25 | 10 | 04 | | 06 | 20 |
| 8 | Arpita NandakishorBadwaik | AB | 00 | 00 | | 00 | 00 |
| 9 | Asmita Sushil Shrirame | 26 | 10 | 04 | | 06 | 20 |
| 10 | Diksha ShivdasDhanke | 29 | 10 | 04 | | 06 | 20 |
| 11 | Gayatri P.Chandure | 27 | 10 | 04 | | 06 | 20 |
| 12 | Gayatri Ghanshyam Gulhane | 28 | 10 | 04 | | 06 | 20 |
| 13 | Gayatri Pradip Nikam | 28 | 10 | 04 | | 06 | 20 |
| 14 | KhushaliPundlikraoTarhekar | 28 | 10 | 04 | | 06 | 20 |
| 15 | Krishna BrijmohanChandak | 27 | 10 | 04 | | 06 | 20 |
| 16 | Sonali Anil Kalpande | 30 | 10 | 04 | | 06 | 20 |
| 17 | MrunalSantoshrao Sawant | 29 | 10 | 04 | | 06 | 20 |
| 18 | Nikita S. Sote | 25 | 10 | 04 | | 06 | 20 |
| 19 | PayalChaware | 27 | 10 | 04 | | 06 | 20 |
| 20 | Payal Suresh Kamble | 26 | 10 | 04 | 06 | | 20 |
| 21 | Pratik Vijay Nagrikar | 25 | 10 | 04 | | 06 | 20 |
| 22 | Punam Prakash Meshram | 24 | 10 | 04 | | 06 | 20 |
| 23 | PunamRamdasjiChakole | 24 | 10 | 04 | | 06 | 20 |
| 24 | Sahil N. Bhoyar | 24 | 10 | 04 | | 06 | 20 |
| 25 | Sakshi Badhiye | 24 | 10 | 04 | | 06 | 20 |
| 26 | Sakshi DineshraoIngale | 28 | 10 | 04 | | 06 | 20 |
| 27 | Sakshi Ganesh Thakare | 26 | 10 | 04 | | 06 | 20 |
| 28 | Sakshi Gopal Kale | 28 | 10 | 04 | | 06 | 20 |
| 29 | Samiksha GopalraoThakare | 25 | 10 | 04 | | 06 | 20 |
| 30 | Sanjana Naresh Wankhade | 30 | 10 | 04 | | 06 | 20 |
| 31 | Sankalp Malviya | 27 | 10 | 04 | 06 | | 20 |
| 32 | SayaliGulhane | 26 | 10 | 04 | | 06 | 20 |
| 33 | SejalMotghare | 25 | 10 | 04 | | 06 | 20 |
| 34 | Shital Kokate | 24 | 10 | 04 | | 06 | 20 |
| 35 | Shivani Vasudev Akade | 28 | 10 | 04 | | 06 | 20 |
| 36 | Shreya Arun Thakur | 26 | 10 | 04 | 06 | | 20 |
| 37 | SnehalDineshraoDurge | 24 | 10 | 04 | | 06 | 20 |
| 38 | TejasSanjayraoGawarle | 25 | 10 | 04 | | 06 | 20 |
| 39 | Vaidehi Vilas Khedekar | 27 | 10 | 04 | | 06 | 20 |
| 40 | Vaishnavi Narayan Sundarkar | 28 | 10 | 04 | | 06 | 20 |
| 41 | Vaishnavi Prakash Pethe | 26 | 10 | 04 | | 06 | 20 |
| 42 | Yadavi Gawande | 26 | 10 | 04 | | 06 | 20 |

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**Department Of Microbiology**

**Notice** **Date: 01/04/2022**

All the students of B. Sc. Part III semester –VI Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 30th April 2022.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Aastha Laxmanrao Wasnik | Industrial Production of Penicillin |
| 2 | Achal Nagrikar | Microbial Industrial Production of Cellulase |
| 3 | Akashata Lokhande | Industrial Production of Beer |
| 4 | Apeksha Shivdatta Garad | Industrial Production of Amylase (bacterial) |
| 5 | Ashwini pramod wankhade | Industrial Production of single cell protein |
| 6 | Bhagyashri Wanjari | Industrial Production of ethyl alcohol |
| 7 | Chanchal Gawarle | Industrial Production of Vinegar |
| 8 | Diksha Choube | Industrial Production of Acetone-butanol from corn |
| 9 | Dinesh Narendraji Dagwar | Pasteurization |
| 10 | Dineshwari Jitendra Shelar | Industrial Production of Streptomycin |
| 11 | Divya Sunilrao Chauragade | Manufacture of butter |
| 12 | Gauri Ashok Budhe | Preparation of fermented food like Pickles |
| 13 | Gauri Khandarkar | Preparation of fermented food like Idli |
| 14 | Gayatri pramodrao bante | Industrial Production of Wine (Red table) |
| 15 | Isha vijay unone | Industrial Production of Vitamin $B_6$ |
| 16 | Janavi hemrajji titare | Milk adulteration testing methods |
| 17 | Kanchan Arvind Nehare | Indicators of food contamination as per WHO |
| 18 | Monali Nitin bhure | Manufacture of Milk Powder |
| 19 | Nikita gajanan karangale | Manufacture of Cheedar Cheese |
| 20 | Nikita R.Ghavade | Industrial Production of Citric acid |
| 21 | Palak Avinash Raut | Manufacture of Yoghurt |
| 22 | Pallavi D. Golait | Manufacture of Butter |
| 23 | Pallavi Chimurkar | Methods of Preservation of Foods |
| 24 | Pradnya Manikrao Wasnik | Preparation of Milk Powder |
| 25 | Pratiksha G. Bhoyar | Industrial production of Vitamin C |
| 26 | Pratiksha parteki | Manufacture of Kefir |
| 27 | Priti Sultane | Scope of Industrial microbiology and Biotechnology |
| 28 | Reena Rameshrao khandare | Industrial production of Fungal Amylase |
| 29 | Sakshi Anil Nikam | Food infections |
| 30 | sakshi manojrao shinde. | Manufacture of Fermented food like Sauerkraut |
| 31 | Sakshi Shrirame | Screening of industrial important microorganisms |
| 32 | Sakshi Vitthalrao Pole | Industrial production of tetracycline |
| 33 | Samiksha gajanan thor | Industrial production of Vitamin $B_{12}$ |
| 34 | Sejal Choudhari | Oxidative phosphorylation |
| 35 | Sejal Sudeshrao Arekar | Industrial production of Vitamin E |
| 36 | Shivani Bhalerao | Industrial production of Vitamin A |
| 37 | Shraddha Dattaji pinjari | Industrial Production of Wine (White table) |
| 38 | Shreya Vinod Kandalkar | Industrial production of Vitamin K |
| 39 | Shrutika bhoyar | EMP Pathway |
| 40 | Shweta kale | Sources of Microorganisms in Milk |
| 41 | Siddhant R. Dhokane | Sources of Microorganisms in Food |
| 42 | Sonal pramod parkhande | TCA cycle |
| 43 | Vaishnavi L kardikar | Food poisoning and Food infections |

Dr. N.A.Sonune
Head

Dr. Y. B. Gandole
Principal

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 01/04/2022

## NOTICE

All the students B. Sc. Part III Semester - VI Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on 18th April 2022 at 2.55 pm. All Students must remain present for the test examination.

Units For Test Examination: **Unit No. I- Fermentation in General and Unit No. II- Industrial Production I**

Dr. N. A. Sonune
Head

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Principal

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# Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part III 6 S – Microbiology (Industrial Fermentation, Food Microbiology & Metabolism)**

**Unit I & II**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) The aeration device in fermentation tank is called a ----------,

ii) Whey is obtained as a by-product of ---------- industry.

iii) Cidar vinegar is made by alcoholic and acetous fermentation of ----------

.iv) Malt is prepared from ----------,

(B) Choose the correct answer. (2)

(i) Large vessel containing all the parts and condition necessary for the growth of desired microorganisms is called ----------

a. Bio reactor b. Auto reactor c. Impeller d. None of these

(ii) Batch fermentation is also called ----------

a. Closed system b. Open system c. Fed-Batch system d. Sub-merger system

(iii) During fermentation, pyruvic acid is converted into organic products such as

a. glucose and fructose b. starch and cellulose c. ethyl alcohol and lactic acid d. citric acid and isocitric acid

(iv) By-product of acetone-butanol fermentation include

a. Riboflavin b. Penicillin c. Isopropanol d. All of these

(C) Give the answer of following in ONE sentence each. (2)

a) Define industrial microbiology

b) Give the examples of antifoaming agents.

Que 2 What is screening? Describe in brief different techniques of primary screening. (12)

OR

Describe in detail different types of raw materials used in fermentation industry. (12)

Que 3 a) Explain how fermentation medium is prepared for beer manufacturing process. (4)

b) Describe in brief manufacture of red wine. (4)

c) 'Production of vinegar requires two fermentations' justify the statement. (4)

or

d) Discuss the enzymatic mechanism of alcoholic fermentation. (4)

e) Give some important industrial uses of citric acid. (4)

f) What are malt adjuncts ? Give its role in brewing process. (4)

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Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.III Semester VI Tour report submission (2021-22)

| Sr. No. | Name of Student | Signature |
|---|---|---|
| 1 | Aastha LaxmanraoWasnik | |
| 2 | Achal Vijay Nagrikar | |
| 3 | Akshata Arunrao Lokhande | |
| 4 | Apeksha Shivdatta Garad | |
| 5 | Ashwini Pramod Wankhade | |
| 6 | Bhagyashri Vijay Wanjari | |
| 7 | Chanchal Gajendra Gawarle | |
| 8 | Diksha Shashikant Choube | |
| 9 | Dinesh Narendra Dagwar | |
| 10 | Dineshwari Jitendra Shelar | |
| 11 | Divya Sunil Chauragade | |
| 12 | Gauri AshokraoBudhe | |
| 113 | Gauri Dinesh Khandarkar | |
| 14 | Gayatri Pramod Bante | |
| 15 | Isha Vijay Unone | |
| 16 | Janavi HemrajjiTitare | |
| 17 | Kanchan Arvind Nyahare | |
| 18 | Monali Nitinrao Bhure | |
| 19 | Nikhita Gajanan Karangale | |
| 20 | Nikita Rajabhau Ghavade | |
| 21 | Palak Avinash Raut | |
| 22 | Pallavi Diliprao Golait | |
| 23 | Pallavi Gajanan Chimurkar | |
| 24 | Pradnya Manikrao Wasnik | |
| 25 | Pratiksha Gajanan Bhoyar | |
| 26 | Pratiksha Kishor Parteki | |
| 27 | Priti Shankarrao Sultane | |
| 28 | Reena Ramesh Khandare | |
| 29 | Sakshi Anil Nikam | |
| 30 | Sakshi Manoj Shinde | |
| 31 | Sakshi Rajendra Shriramе | |
| 32 | Sakshi Vitthal Pole | |
| 33 | Samiksha Gajanan Thor | |
| 34 | Sejal Babanrao Choudhari | |
| 35 | Sejal Sudeshrao Arekar | |
| 36 | Shivani Raju Bhalerao | |
| 37 | Shraddha Dattaji Pinjari | |
| 38 | Shreya Vinodrao Kandalkar | |
| 39 | Shrutika Arun Bhoyar | |
| 40 | Shweta Brahmanand Kale | |
| 41 | Siddhant Rajendra Dhokane | |
| 42 | Sonal Pramod Parkhande | |
| 43 | Vaishnavi Laxman Kardikar | |

( Dr. N. A. Sonune)

Head

(Dr. Y. B. Gandole)

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**Adarsha Science, J.B. Arts and Birla CommerceMahavidyalayaDhamangaon Rly.**
**Class: B.Sc. III Sem VI**
**Subject: Microbiology**
**Internal marks Summer-2022**

| Sr. No. | Name of the Student | Unit test Score (30) | Unit test mark (10 M) | Project (04 M) | Seminar (06 M) | Tour (06 M) | Total marks (20 M) |
|---|---|---|---|---|---|---|---|
| 1 | AshutiNagrikar | 26 | 10 | 04 | | 06 | 20 |
| 2 | AkshataLokhande | 24 | 10 | 04 | | 06 | 20 |
| 3 | Ashwini P. Wankhade | 27 | 10 | 04 | | 06 | 20 |
| 4 | BhagyashriWanjari | 23 | 07 | 04 | | 06 | 17 |
| 5 | Chanchal G. Gawarle | 23 | 07 | 04 | | 06 | 17 |
| 6 | Diksha Shashikant Choube | 24 | 10 | 04 | | 06 | 20 |
| 7 | Dinesh Narendra Dagwar | 28 | 10 | 04 | | 06 | 20 |
| 8 | Dineshwari Jitendra Shelar | 27 | 10 | 04 | | 06 | 20 |
| 9 | Gauri Ashok Budhe | 30 | 10 | 04 | | 06 | 20 |
| 10 | Gauri Dinesh Khandarkar | 25 | 10 | 04 | 06 | | 20 |
| 11 | Gayatri PramodraoBante | 25 | 10 | 04 | | 06 | 20 |
| 12 | Isha Vijay Umone | 29 | 10 | 04 | | 06 | 20 |
| 13 | JanhaviHemrajiTiare | 29 | 10 | 04 | | 06 | 20 |
| 14 | Shrutika A. Bhoyar | 25 | 10 | 04 | | 06 | 20 |
| 15 | Divya S. Chauragade | 26 | 10 | 04 | | 06 | 20 |
| 16 | Kanchan Arvind Nyahare | 24 | 10 | 04 | | 06 | 20 |
| 17 | Sakshi Manoj Shinde | 24 | 10 | 04 | | 06 | 20 |
| 18 | SejalSudeshraoArekar | 29 | 10 | 04 | | 06 | 20 |
| 19 | Aastha Laxmanrao Wasnik | 28 | 10 | 04 | | 06 | 20 |
| 20 | ApekshaShivdattaGarad | 26 | 10 | 04 | | 06 | 20 |
| 21 | Monali Nitin Bhure | 27 | 10 | 04 | | 06 | 20 |
| 22 | Nikita Gajanan Karangale | 26 | 10 | 04 | | 06 | 20 |
| 23 | Nikita R. Ghavade | 24 | 10 | 04 | | 06 | 20 |
| 24 | Palak Avinash Raut | 29 | 10 | 04 | | 06 | 20 |
| 25 | Pallavi D. Gulait | 25 | 10 | 04 | | 06 | 20 |
| 26 | Pallavi Gajanan Chimurkar | 22 | 07 | 04 | | 06 | 17 |
| 27 | Pratiksha Gajanan Bhoyar | 26 | 10 | 04 | | 06 | 20 |
| 28 | PratikshaPareki | 24 | 10 | 04 | | 06 | 20 |
| 29 | PritiShankararaoSultane | 26 | 10 | 04 | | 06 | 20 |
| 30 | Reena Ramesh Khandare | 24 | 10 | 04 | | 06 | 20 |
| 31 | Sakshi Anil Nikam | 28 | 10 | 04 | | 06 | 20 |
| 32 | Sakshi Rajendra Shriname | 24 | 10 | 04 | | 06 | 20 |
| 33 | Sakshi Vitthalrao Pole | 24 | 10 | 04 | | 06 | 20 |
| 34 | Samiksha Gajanan Thor | 24 | 10 | 04 | | 06 | 20 |
| 35 | SejalBabanraoChoudhari | 22 | 07 | 04 | | 06 | 17 |
| 36 | Shivani Raju Bhalerao | 25 | 10 | 04 | | 06 | 20 |
| 37 | Shraddha DattajiPinjari | 25 | 10 | 04 | | 06 | 20 |
| 38 | Shreya Vinod Kandalkar | 28 | 10 | 04 | | 06 | 20 |
| 39 | Shweta Brahmanand Kale | 29 | 10 | 04 | 06 | | 20 |
| 40 | Siddhant R. Dhokane | 28 | 10 | 04 | | 06 | 20 |
| 41 | Sonal Pramod Parkhande | 26 | 10 | 04 | | 06 | 20 |
| 42 | Vaishnavi L. Kartikar | 24 | 10 | 04 | | 06 | 20 |
| 43 | PradnyaWasnik | 25 | 10 | 04 | | 06 | 20 |

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**Department of Microbiology**

**-Notice-**

**Date:-06.12.2021**

All the students of **B.Sc.I/Semester I (Microbiology)** are hereby informed that their topics for **assignment (Internal assessment marks)** have been allotted. All students will be required to submit this assignment **on or before 30th Dec. 2021.** All are advised to note the same.

| Sr. No. | Name Of Student | Topic for Assignment |
|---|---|---|
| 1 | Abhay Prashant Raut | Growth curve of bacterial population |
| 2 | Aditya ArunraoBhatkule | Synchronous culture of bacteria |
| 3 | Akanksha AvadhutWahane | Methods of reproduction in bacteria |
| 4 | Anisha Shivkumar Kadu | Structure and function of ribosome |
| 5 | Aparna Mahadeo Masram | Nutritional classification of microorganism |
| 6 | Apeksha Arun Dongardive | Structure and function of Cytoplasmic membrane of bacteria |
| 7 | Arpan Milind Ajmire | Solidifying Agents |
| 8 | Ashish Rajendra Uike | Structure of Bacterial flagella (Gram + & Gram – ve) |
| 9 | Bilalsheikh Mohamad Salimsheikh | Chemical composition & functions of Capsule of bacteria |
| 10 | Chanchal RameshsingBhivarikar | Different methods of isolation of Pure Culture |
| 11 | Dhanashri Suresh Kale | Methods of Preservation of Pure Cultures |
| 12 | Gayatri Pradip Rajankar | Different types of media used in Microbiology |
| 13 | Gayatri PundlikraoNikhade | Structure of cell wall of gram + and gram — bacteria |
| 14 | Gayatri Sanjay Mude | Characteristics and structure of bacterial endospore |
| 15 | Kalyani Kiran Thakare | Methods of Determination of nutritional requirements |
| 16 | Kiran MarotraoDarokar | Basic nutritional requirements of microorganisms |
| 17 | KomalBhagwatraoTatte | Concept of prokaryotes and eucaryotes |
| 18 | Komal Bharat Madavi | General characters and classes of Plasmids |
| 19 | Mahek Sayeed Khan | Shape, arrangement and structure of bacterial cell |
| 20 | Mahima Vijay Shirpurkar | Different Types of media |
| 21 | Neha Rajeshrao Raut | Role of beef extract, yeast extract and peptone in media |
| 22 | Nikita Pravin Thakare | Different methods of reproduction in bacteria |
| 23 | Nikita Vilas Wankhade | Growth rate and generation time |
| 24 | Pavan PurushottamNagpure | Continuous culture of microorganism |
| 25 | Prachi Bharat Patil | Factors influencing bacterial growth |
| 26 | Prachi Gajendra Borghate | Prokaryotic and eukaryotic ribosomes |
| 27 | Prachi SatyanarayanSuryoday | Flagella staining (Principle, method) |
| 28 | Prajwal Dilip Patil | Contribution of Leeuwenhoek |
| 29 | Prajwal Narendra Sonone | Functions of various parts of Compound Microscope |
| 30 | Pratiksha Gajanan Bharti | Acid fast staining (Principle, method and mechanism) |
| 31 | Renuka RameshraoWankhade | Contributions of Robert Koch |
| 32 | Rucha Pramod Ingle | Compound Microscope (principle, ray diagram, etc) |
| 33 | Ruchita Jitendra Dube | Scope of Genetic Engineering and Molecular biology |
| 34 | RutujaHaridasDambale | Contributions of Schulze, Schwann and Von Dusch and Shroeder |
| 35 | Sadiya Parveen M. Shakil | Flourescence Microscope (principle, ray diagram, etc) |
| 36 | Sakshi Anand Atalkar | Beneficial and harmful activities of microorganisms |
| 37 | Sakshi Sanjay Joshi | Gram staining (Principle, method and mechanism) |
| 38 | Sambodhi Vijay Borkar | Transmission electron microscope |
| 39 | Samiksha Vijay Sambhe | Phase contrast microscope (ray diagram, etc) |
| 40 | SamruddhiSudhakarrao Chaudhari | Scope of Industrial Microbiology and Biotechnology |
| 41 | Sandesh Ravindra Ugale | Endospore staining (Principle,method) |
| 42 | SanskrutiAmarsinh Deshmukh | General characteristics of Fungi |
| 43 | Sanvidha Anand Mane | Dye, stain, classification of dyes, chromogen, leucostain, mordent |
| 44 | Sejal Gajanan Chandekar | Pure culture concept |
| 45 | Shraddha Manoj Raut | Germ theory of disease |
| 46 | ShravaniMohanraoThakare | Scope of Environmental Microbiology and Medical Microbiology |
| 47 | Shreya Vasant Bansod | Contributions of Louis Pastuer and John Tyndall |
| 48 | Shruti Ravindra Kamble | Scanning electron microscope |
| 49 | SnehalShyamsundarVidulkar | General characteristics of Algae |
| 50 | Swati Shankar Mehakare | General characteristics of Viruses |

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| | | |
|---|---|---|
| 51 | Tanvi Arun Ghavat | Pili of bacteria |
| 52 | Tejal Ravindra Gandole | Bacterial chromosome |
| 53 | TejasNivruttiZibad | Characteristics and structure of bacterial endospore |
| 54 | Tejas Sudhir Pawar | Methods of Determination of nutritional requirements |
| 55 | TujesNilkanthRajurkar | Basic nutritional requirements of microorganisms |
| 56 | Umerkhan Harun Khan | Concept of prokaryotes and eucaryotes |
| 57 | Vaishnavi Bhaiyyasaheb Chaudhari | General characters and classes of Plasmids |
| 58 | Vidhan Amol Sthul | Scope of Genetic Engineering and Molecular biology |
| 59 | Virendra Vijay Kale | Contributions of Schulze, Schwann and Von Dusch and Shroeder |
| 60 | Vishakha Rajendra Rewade | Flourescence Microscope (principle, ray diagram, etc) |
| 61 | Vrushali Gajanan Kadu | Beneficial and harmful activities of microorganisms |
| 62 | Yash Pramod Sote | Gram staining (Principle, method and mechanism) |

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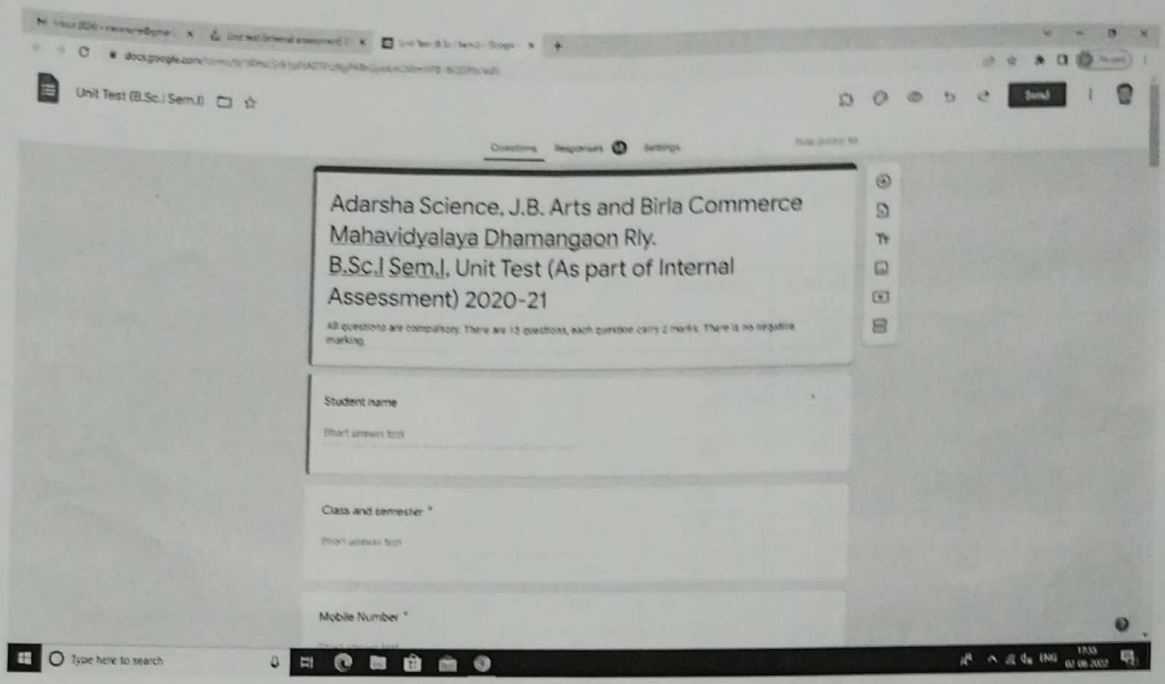
**Department Of Microbiology**

**Notice** **Date:06/12/2021**

All the students of B. Sc. Part II semester –I Microbiology are hereby informed that their class test (as a part of their internal assessment) will be conducted on 17/02/2021 at 2.55 am. All students must remain present for this test examination.

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## B.Sc. I Sem I Internal marks (Unit test and Assignment), Winter 2021

| S.N | Name | Roll No. | Class test I | Class test II | Out of 12 | Assignment(08) | Total |
|---|---|---|---|---|---|---|---|
| 1 | Abhay Prashant Raut | 21AB110471 | 28 | 28 | 12 | 08 | 20 |
| 2 | Aditya ArunraoBhatkule | 21AB110475 | 30 | 28 | 12 | 08 | 20 |
| 3 | Akanksha AvadhutWahane | 21AB110476 | 28 | 30 | 12 | 08 | 20 |
| 4 | Anisha Shivkumar Kadu | 21AB110478 | 22 | 20 | 10 | 08 | 18 |
| 5 | Aparna Mahadeo Masram | 21AB110480 | 24 | 28 | 12 | 08 | 20 |
| 6 | Apeksha Arun Dongardive | 21AB110481 | 26 | 30 | 12 | 08 | 20 |
| 7 | Arpan Milind Ajmire | 21AB110482 | 30 | 30 | 12 | 08 | 20 |
| 8 | Ashish Rajendra Uike | 21AB110483 | 30 | 30 | 12 | 08 | 20 |
| 9 | Bilalsheikh M. Salimsheikh | 21AB110485 | 30 | 30 | 12 | 08 | 20 |
| 10 | Dhanashri Suresh Kale | 21AB110486 | 30 | 30 | 12 | 08 | 20 |
| 11 | Gayatri Pradip Rajankar | 21AB110490 | 26 | 30 | 12 | 08 | 20 |
| 12 | Gayatri PundlikraoNikhade | 21AB110491 | 24 | 28 | 12 | 08 | 20 |
| 13 | Gayatri Sanjay Mude | 21AB110493 | 24 | 28 | 12 | 08 | 20 |
| 14 | Kalyani Kiran Thakare | 21AB110497 | 30 | 30 | 12 | 08 | 20 |
| 15 | Kiran MarotraoDarokar | 21AB110499 | 30 | 30 | 12 | 08 | 20 |
| 16 | KomalBhagwatraoTatte | 21AB110500 | 26 | 28 | 12 | 08 | 20 |
| 17 | Mahek Sayeed Khan | 21AB110503 | 24 | 22 | 12 | 08 | 20 |
| 18 | Mahima Vijay Shirpurkar | 21AB110504 | 26 | 30 | 12 | 08 | 20 |
| 19 | Neha Rajeshrao Raut | 21AB110509 | 28 | 30 | 12 | 08 | 20 |
| 20 | Nikita Pravin Thakare | 21AB110511 | 30 | 28 | 12 | 08 | 20 |
| 21 | Nikita Vilas wankhade | 21AB110513 | 30 | 30 | 12 | 08 | 20 |
| 22 | Pavan PurushottamNagpure | 21AB110515 | 30 | 30 | 12 | 08 | 20 |
| 23 | Prachi Bharat Patil | 21AB110516 | 26 | 30 | 12 | 08 | 20 |
| 24 | Prachi Gajendra Borghate | 21AB110517 | 28 | 30 | 12 | 08 | 20 |
| 25 | Prachi SatyanarayanSuryoday | 21AB110519 | 24 | 30 | 12 | 08 | 20 |
| 26 | Prajwal Dilip Patil | 21AB110520 | 30 | 30 | 12 | 08 | 20 |
| 27 | Prajwal Narendra Sonone | 21AB110521 | 30 | 30 | 12 | 08 | 20 |
| 28 | Pratiksha Gajanan Bharti | 21AB110526 | 26 | 30 | 12 | 08 | 20 |
| 29 | Renuka RameshraoWankhade | 21AB110532 | 16 | 30 | 12 | 08 | 20 |
| 30 | Rucha Pramod Ingle | 21AB110536 | 28 | 30 | 12 | 08 | 20 |
| 31 | Ruchita Jitendra Dube | 21AB110537 | 24 | 30 | 12 | 08 | 20 |
| 32 | Rutuja HaridasDambale | 21AB110540 | 24 | 30 | 12 | 08 | 20 |
| 33 | Sadiya Parveen M. Shakil | 21AB110541 | 22 | 30 | 12 | 08 | 20 |
| 34 | Sakshi Anand Atalkar | 21AB110543 | 26 | 26 | 12 | 08 | 20 |
| 35 | Sakshi Sanjay Joshi | 21AB110545 | 30 | 30 | 12 | 08 | 20 |
| 36 | Sambodhi Vijay Borkar | 21AB110546 | 26 | 30 | 12 | 08 | 20 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37 | Samiksha Vijay Sambhe | 21AB110548 | 30 | 26 | 12 | 08 | 20 |
| 38 | Samruddhi S. Chaudhari | 21AB110549 | 28 | 28 | 12 | 08 | 20 |
| 39 | Sanskruti A. Deshmukh | 21AB110553 | 26 | 30 | 12 | 08 | 20 |
| 40 | Sejal Gajanan Chandekar | 21AB110555 | 30 | 30 | 12 | 08 | 20 |
| 41 | Shraddha Manoj Raut | 21AB110559 | 24 | 28 | 12 | 08 | 20 |
| 42 | Shravani MohanraoThakare | 21AB110560 | 30 | 28 | 12 | 08 | 20 |
| 43 | Shreya Vasant Bansod | 21AB110562 | 30 | 30 | 12 | 08 | 20 |
| 44 | Shruti Ravindra Kamble | 21AB110564 | 28 | 30 | 12 | 08 | 20 |
| 45 | Snehal Shyamsundar Vidulkar | 21AB110568 | 26 | 28 | 12 | 08 | 20 |
| 46 | Swati Shankar Mehakare | 21AB110570 | 28 | 26 | 12 | 08 | 20 |
| 47 | Tanvi Arun Ghavat | 21AB110571 | 30 | 30 | 12 | 08 | 20 |
| 48 | Tejal Ravindra Gandole | 21AB110572 | 28 | 26 | 12 | 08 | 20 |
| 49 | Tejas Nivrutti Zibad | 21AB110574 | 30 | 30 | 12 | 08 | 20 |
| 50 | Tujes Nilkanth Rajurkar | 21AB110577 | 28 | 30 | 12 | 08 | 20 |
| 51 | Umerkhan Harun Khan | 21AB110580 | 26 | 28 | 12 | 08 | 20 |
| 52 | Vaishnavi B. Chaudhari | 21AB110581 | 28 | 28 | 12 | 08 | 20 |
| 53 | Vidhan Amol Sthul | 21AB110585 | 30 | 30 | 12 | 08 | 20 |
| 54 | Virendra Vijay Kale | 21AB110587 | 30 | 28 | 12 | 08 | 20 |
| 55 | Vishakha Rajendra Rewade | 21AB110588 | 28 | 28 | 12 | 08 | 20 |
| 56 | Vrushali Gajanan Kadu | 21AB110589 | 28 | 28 | 12 | 08 | 20 |
| 57 | Yash Pramod Sote | 21AB110590 | 30 | 30 | 12 | 08 | 20 |
| 58 | Tejas Pawar | ~~21AB110650~~ 21AB123378 | -- | --- | 00 | 08 | 08 |

Signature of HOD

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
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Signature of Principal

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**Department of Microbiology**

**Notice** **Date: 06/12/2021**

All the students of **B.Sc.II/Semester III** are hereby informed that their topics for **project assignment and Seminar(Internal assessment marks)** in **Microbiology** have been allotted. All students will be required to submit this assignment **on or before 30th December 2021**. All are advised to note the same.

| S.N. | Name of Student | Topic for seminar |
|---|---|---|
| 1 | Aashumikucheriya | Physical mutagens |
| 2 | Aditya ahir | Polymerase chain reaction PCR |
| 3 | Akanksha kharbade | Isolation of genomic DNA from bacteria |
| 4 | Anju AnilraoDhanke | Mutation by acrydene dyes |
| 5 | Anuja Uday Nishan | Characters of genetic code |
| 6 | Anuradha padurangpinjari | DNA replication mechanism |
| 7 | Anuradha Bagade | Health benefits of probiotics |
| 8 | Arpita Nandakishorbadwaik | Induced mutation by ultraviolet radiations |
| 9 | Asmita Sushil Shrirame | Vectors used in gene cloning |
| 10 | Diksha shivdasdhanke | Probiotic organisms |
| 11 | Diksha walke | Restriction endonuclease |
| 12 | Gayatri G. Gulhane | Construction of gene library |
| 13 | Gayatri Pradip Nikam | DNA probes in disease diagnosis |
| 14 | Gayatri p. Chandure | Agarose gel electrophoresis |
| 15 | KhushaliPundlikraoTarhekar | DNA replication process |
| 16 | Krishna BrijmohanChandak | Isolation of plasmid DNA from bacteria |
| 17 | Nikita sunilraosote | Recombinant insulin |
| 18 | Mrunalsantoshraosawant | Transgenic plants |
| 19 | Payalchaware | DNA ligase |
| 20 | Payalkamble | DNA polymerase |
| 21 | Pratik v. Nagrikar | Chemical mutagens |
| 22 | Punam Prakash Meshram | Hfr formation |
| 23 | Punamramdasjichakole | Nucleases |
| 24 | Sahil Nilesh bhoyar | Enzymes for splicing |
| 25 | Sakshi DineshraoIngale | Plasmids as vectors |
| 26 | Sakshi ganeshthakare | Cosmids |
| 27 | Sakshi Gopal Kale | Vectors used in genetic engineering |
| 28 | Sakshi badhiye | Mutation by X rays |
| 29 | Samiksha GopalraoThakare | Mutation by UV rays |
| 30 | Sanjana Naresharaowankhade | Dark repair mechanism |
| 31 | Sonali Anil Kalpande | Transcription |
| 32 | Sayaligulhane | Enzymes involved in DNA replication |
| 33 | Sejal Rajesh Mothghare | Induced mutations |
| 34 | Shital kokate | Spontaneous mutation |
| 35 | Shivani vasudevAkade | Conjugation between F+ and F- cell |
| 36 | Shreya Thakur | Lac operon |
| 37 | SnehalDineshraodurge | Griffith experiment on transformation |
| 38 | Sankalp Malviya | Basic technique of genetic engineering |
| 39 | Tejas Sanjay gawarle | Transgenic plants |
| 40 | Vaishnavi narayansundarkar | Mechanism of transformation |
| 41 | Vaishnavi pethe | Lederberg – Tatum experiment on conjugation |
| 42 | Vaidehikhedekar | Spontaneous mutation |
| 43 | Yadavigawande | Mechanism of transduction |

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**Department Of Microbiology**

**Notice** **Date:06/12/21**

All the students of B. Sc. Part II semester –III Microbiology are hereby informed that their topic for seminar (as a part of their internal assessment) has been finalized. Students are advised to note their topics for seminar.

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**Department Of Microbiology**

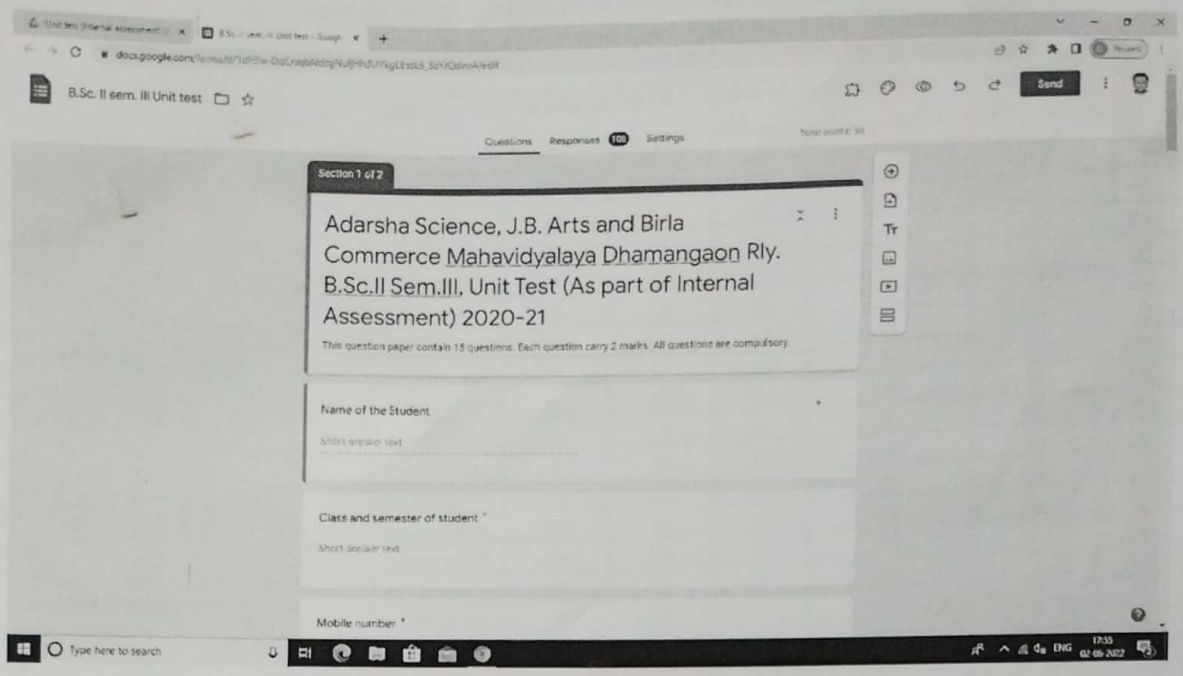
**Notice**

**Date:06/12/2021**

All the students of B. Sc. Part II semester –III Microbiology are hereby informed that their class test (as a part of their internal assessment) will be conducted on 06/02/2021 at 2.55 am. All students must remain present for this test examination.

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## B.Sc. II Sem III Internal marks (Unit test and Assignment), Winter 2021

| S.N | Name | Roll No. | Marks out of 30 | | Out of 10 | Assignment (04) | Seminar (06) | Total |
|---|---|---|---|---|---|---|---|---|
| | | | Test I | Test II | | | | |
| 1 | Aashumi Ashok Kucheriya | 21AB310668 | 22 | 20 | 07 | 04 | 06 | 17 |
| 2 | Aditya Anil Ahir | 21AB310672 | 24 | 24 | 10 | 04 | 04 | 18 |
| 3 | Akanksha BaluKharbade | 21AB310675 | 20 | 26 | 10 | 04 | 06 | 20 |
| 4 | Anju AnilraoDhanke | 21AB310681 | 28 | 24 | 10 | 04 | 06 | 20 |
| 5 | Anuja Uday Nishan | 21AB310683 | 28 | 24 | 10 | 04 | 06 | 20 |
| 6 | Anuradha PandurangjiPinjari | 21AB310684 | 28 | 24 | 10 | 04 | 06 | 20 |
| 7 | Anuradha Prakash Bagade | 21AB310685 | 24 | 24 | 10 | 04 | 06 | 20 |
| 8 | Arpita NandkishorBadwaik | 21AB310687 | 00 | 00 | 00 | 00 | 00 | 00 |
| 9 | Asmita Sushil Shrirame | 21AB310689 | 24 | 30 | 10 | 04 | 06 | 20 |
| 10 | Diksha ShivdasDhanke | 21AB310697 | 26 | 24 | 10 | 04 | 06 | 20 |
| 11 | Gayatri Ghanshyam Gulhane | 21AB310700 | 26 | 26 | 10 | 04 | 06 | 20 |
| 12 | Gayatri Pradip Nikam | 21AB310701 | 28 | 26 | 10 | 04 | 06 | 20 |
| 13 | Gayatri Pramod Chandure | 21AB310702 | 24 | 24 | 10 | 04 | 06 | 20 |
| 14 | KhushaliPundlikraoTarhekar | 21AB310711 | 28 | 26 | 10 | 04 | 06 | 20 |
| 15 | Krishna BrijmohanChandak | 21AB310712 | 28 | 28 | 10 | 04 | 06 | 20 |
| 16 | Mrunal Santosh Sawant | 21AB310717 | 28 | 26 | 10 | 04 | 06 | 20 |
| 17 | Nikita SunilraoSote | 21AB310719 | 22 | 26 | 10 | 04 | 06 | 17 |
| 18 | Payal Balram Chavare | 21AB310720 | 22 | 22 | 07 | 04 | 06 | 20 |
| 19 | Payal Suresh Kamble | 21AB310721 | 26 | 26 | 10 | 04 | 06 | 20 |
| 20 | Pratik Vijay Nagrikar | 21AB310726 | 24 | 22 | 10 | 04 | 06 | 20 |
| 21 | Punam Prakash Meshram | 21AB310729 | 22 | 28 | 10 | 04 | 06 | 20 |
| 22 | Punam Ramdas Chakole | 21AB310730 | 22 | 28 | 10 | 04 | 06 | 20 |
| 23 | Sahil Nilesh Bhoyar | 21AB310737 | 24 | 22 | 10 | 04 | 06 | 20 |
| 24 | Sakshi DineshraoIngale | 21AB310738 | 26 | 26 | 10 | 04 | 06 | 20 |
| 25 | Sakshi Ganesh Thakare | 21AB310739 | 22 | 30 | 10 | 04 | 06 | 20 |
| 26 | Sakshi Gopal Kale | 21AB310740 | 22 | 28 | 10 | 04 | 06 | 20 |
| 27 | Sakshi Janardhan Badhiye | 21AB310741 | 22 | 20 | 07 | 04 | 06 | 17 |
| 28 | Samiksha GopalraoThakare | 21AB310742 | 24 | 28 | 10 | 04 | 06 | 20 |
| 29 | Sanjana Naresh Wankhade | 21AB310744 | 24 | 30 | 10 | 04 | 06 | 20 |
| 30 | Sankalp Shyam Malviya | 21AB310745 | 22 | 22 | 07 | 04 | 06 | 17 |
| 31 | SayaliAjayraoGulhane | 21AB310747 | 22 | 16 | 07 | 04 | 06 | 17 |
| 32 | Sejal Rajesh Motghare | 21AB310748 | 26 | 24 | 10 | 04 | 06 | 20 |
| 33 | Shital Gajanan Kokate | 21AB310750 | 22 | 26 | 10 | 04 | 06 | 20 |
| 34 | Shivani VasudevraoAkade | 21AB310753 | 24 | 24 | 10 | 04 | 06 | 20 |
| 35 | Shreya Arun Thakur | 21AB310754 | 22 | 24 | 10 | 04 | 06 | 20 |
| 36 | SnehalDineshraoDurge | 21AB310760 | 24 | 24 | 10 | 04 | 06 | 20 |
| 37 | Sonali Anil Kalpande | 21AB310763 | 28 | 24 | 10 | 04 | 06 | 20 |
| 38 | TejasSanjayraoGawarle | 21AB310768 | 24 | 26 | 10 | 04 | 06 | 20 |
| 39 | Vaidehi Vilas Khedekar | 21AB310771 | 24 | 30 | 10 | 04 | 06 | 20 |
| 40 | Vaishnavi Narayan Sundarkar | 21AB310773 | 28 | 26 | 10 | 04 | 06 | 20 |
| 41 | Vaishnavi Prakash Pethe | 21AB310774 | 22 | 30 | 10 | 04 | 06 | 20 |
| 42 | Yadavi Manohar Gawande | 21AB310779 | 22 | 14 | 07 | 04 | 06 | 17 |

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**Sant Gadge Baba Amravati University, Amravati**
**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Date:06/12/2021**

**-Notice-**

All the students of **B.Sc.III/Semester V** are hereby informed that their topics for **project assignment and Seminar (Internal assessment marks)** in **Microbiology** have been allotted. All students will be required to submit this assignment **on or before 30th December 2021**. All are advised to note the same.

| Sr.No. | Name of Student | Topic |
|---|---|---|
| 01 | Chanchal Gajendra Gawarle | Symbiotic Nitrogen Fixation |
| 02 | Dineshwari Jitendra Shelar | Bioleaching |
| 03 | Gauri Ashokrao Budhe | Isotopic Tracer technique |
| 04 | Gauri Dinesh Khandarkar | Biodegradation of pesticides |
| 05 | Gayatri Pramod Bante | Air sanitation |
| 06 | Isha Vijay Unone | Septic tank |
| 07 | Nikita Rajabhau Ghavade | Imhoff tank |
| 08 | Pallavi Gajananrao Chimurkar | Biological control of insects |
| 09 | Pradnya Manikrao Wasnik | Biomedical wastes |
| 10 | Pratiksha Gajanan Bhoyar | Drinking water standard (BIS) |
| 11 | Pratiksha Kishor Parteki | Sampling of Air |
| 12 | Priti Shankarrao Sultane | IR Specroscopy |
| 13 | Sakshi Anil Nikam | Paper electrophoresis |
| 14 | Sakshi Manoj Shinde | Bioremediation |
| 15 | Sakshi Rajendra Shrirame | Gel electrophoresis |
| 16 | Sakshi Vitthal Pole | Anaerobic sludge digestion |
| 17 | Shreya Vinodrao Kandalkar | Biodegradation of Polythene bags |
| 18 | Shweta Brahmanand Kale | Rapid sand Filter |
| 19 | Siddhant Rajendrarao Dhokame | Air pollution |
| 20 | Sonal Pramodrao Parkhade | Biodeterioration of wood |
| 21 | Aastha LaxmanraoWasnik | Biological control of insects |
| 22 | Achal Vijay Nagrikar | Biofertilizers |
| 23 | Apeksha Shivdatta Garad | Chloriantion |
| 24 | Ashwini PramodraoWankhade | Water Pollution |
| 25 | Bhagyashri VijayraoWanjari | Antibacterial effects of ginger |
| 26 | Diksha Shashikant Choube | Antibacterial effects of garlic |
| 27 | Dinesh Narandraji Dagwar | Antimicrobial effects of Tulsi |
| 28 | Divya Sunil Chauragade | Paper Chromatography |
| 29 | Janavi Hemrajji Titare | UV Spectroscopy |
| 30 | Kanchan Arvind Nyahare | Nonsymbiotic Nitrogen Fixation |
| 31 | Monali Nitinrao Bhure | Humus formation |
| 32 | Nikhita Gajanan Karangale | Trickling filter |
| 33 | Nikita Vasant Patil | Activated sludge process |
| 34 | Palak Avinash Raut | Oxidation pond |
| 35 | Pallavi Diliprao Golait | Antibacterial effects of clove oil |
| 36 | Reena Rameshrao Khandare | Biogas production |
| 37 | Samiksha Gajanan Thor | Antibacterial effect of Cow urine on bacteria |
| 38 | Sejal Sudeshrao Arekar | Decomposition of plant and animal residues in soil |
| 39 | Shivani Raju Bhalerao | Atmosphere and its layers |
| 40 | Shraddha Dattaji Pinjari | Mechanism of nitrogen fixation |
| 41 | Shrutika Arun Bhoyar | Antibacterial effects of neem extract |
| 42 | Sujal Babanrao Choudhari | Antibacterial effects of turmeric |
| 43 | Vaishnavi Laxmanrao Kardikar | Antibacterial effects of honey |
| | | |
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**Department Of Microbiology**

**Notice** **Date:06/12/21**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their topic for seminar (as a part of their internal assessment) has been finalized. Students are advised to note their topics for seminar.

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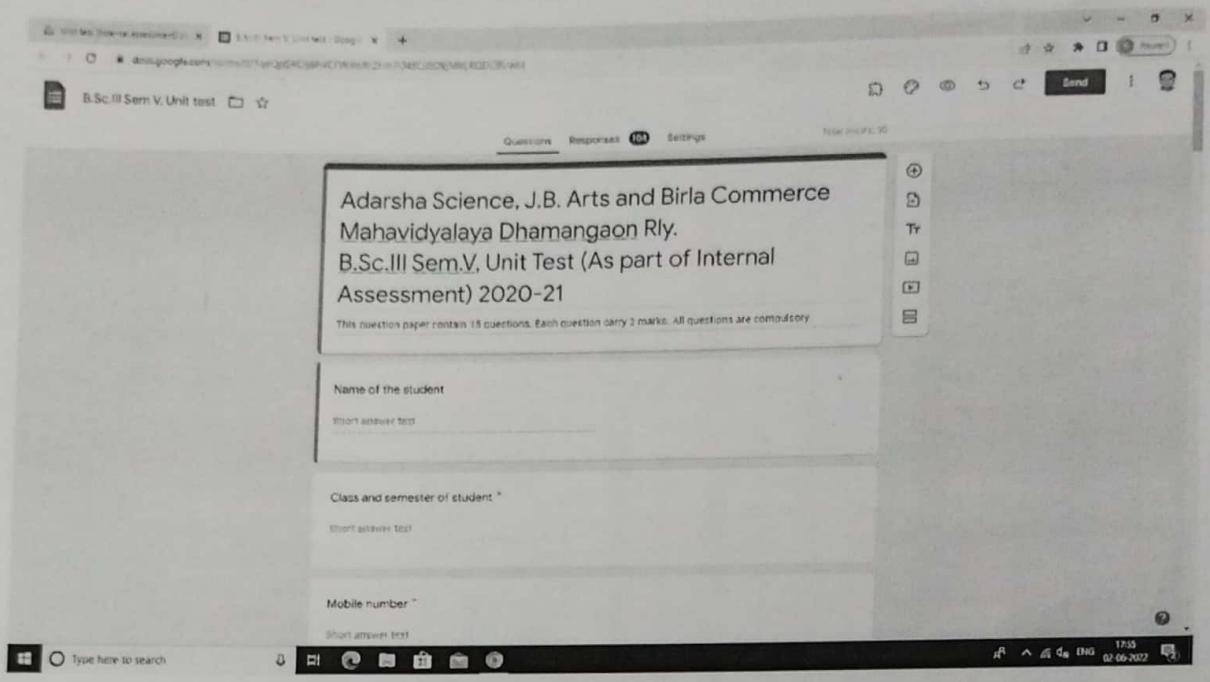
**Department Of Microbiology**

**Notice** **Date:06/12/2021**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their class test (as a part of their internal assessment) will be conducted on 11/01/2021 at 2.55 am. All students must remain present for this test examination.

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**Adarsha Science, J.B. Arts and Birla Commerce MahavidyalayaDhamangaon Rly.**
**B.Sc. III Sem V Internal marks (Unit test and Assignment), Winter 2021**

| S.N | Name | Roll No. | Marks out of 30 | | Out of 10 | Assignment (04) | Seminar (06) | Total |
|---|---|---|---|---|---|---|---|---|
| | | | Test I | Test II | | | | |
| 1 | Aastha LaxmanraoWasnik | 21AB510542 | 28 | 30 | 10 | 04 | 06 | 20 |
| 2 | Achal Vijay Nagrikar | 21AB510544 | 26 | 24 | 10 | 04 | 06 | 20 |
| 3 | AkshataArunraoLokhande | 21AB510548 | 26 | 26 | 10 | 04 | 06 | 20 |
| 4 | ApekshaShivdattaGarad | 21AB510556 | 28 | 28 | 10 | 04 | 06 | 20 |
| 5 | Ashwini Pramod Wankhade | 21AB510559 | 26 | 26 | 10 | 04 | 06 | 20 |
| 6 | Bhagyashri Vijay Wanjari | 21AB510561 | 26 | 24 | 10 | 04 | 06 | 20 |
| 7 | Chanchal Gajendra Gawarle | 21AB510565 | 28 | 24 | 10 | 04 | 06 | 20 |
| 8 | Diksha Shashikant Choube | 21AB510567 | 26 | 28 | 10 | 04 | 06 | 20 |
| 9 | Dinesh Narendra Dagwar | 21AB510568 | 28 | 30 | 10 | 04 | 06 | 20 |
| 10 | Dineshwari Jitendra Shelar | 21AB510569 | 26 | 24 | 10 | 04 | 06 | 20 |
| 11 | Divya Sunil Chauragade | 21AB510571 | 28 | 30 | 10 | 04 | 06 | 20 |
| 12 | Gauri AshokraoBudhe | 21AB510572 | 28 | 30 | 10 | 04 | 06 | 20 |
| 13 | Gauri Dinesh Khandarkar | 21AB510573 | 18 | 24 | 10 | 04 | 06 | 20 |
| 14 | Gayatri Pramod Bante | 21AB510574 | 26 | 26 | 10 | 04 | 06 | 20 |
| 15 | Isha Vijay Unone | 21AB510577 | 30 | 28 | 10 | 04 | 06 | 20 |
| 16 | JanaviHemrajjiTitare | 21AB510578 | 28 | 24 | 10 | 04 | 06 | 20 |
| 17 | Kanchan Arvind Nyahare | 21AB510579 | 26 | 26 | 10 | 04 | 06 | 20 |
| 18 | MonaliNitinraoBhure | 21AB510587 | 20 | 22 | 07 | 04 | 06 | 17 |
| 19 | Nikhita Gajanan Karangale | 21AB510590 | 26 | 28 | 10 | 04 | 06 | 20 |
| 20 | Nikita RajabhauGhavade | 21AB510591 | 28 | 28 | 10 | 04 | 06 | 20 |
| 21 | Palak Avinash Raut | 21AB510595 | 28 | 28 | 10 | 04 | 06 | 20 |
| 22 | Pallavi DilipraoGolait | 21AB510596 | 28 | 26 | 10 | 04 | 06 | 20 |
| 23 | Pallavi Gajanan Chimurkar | 21AB510597 | 28 | 30 | 10 | 04 | 06 | 20 |
| 24 | PradnyaManikraoWasnik | 21AB510601 | 26 | 30 | 10 | 04 | 06 | 20 |
| 25 | Pratiksha Gajanan Bhoyar | 21AB510608 | 28 | 28 | 10 | 04 | 06 | 20 |
| 26 | Pratiksha Kishor Parteki | 21AB510609 | -- | 26 | 10 | 04 | 06 | 20 |
| 27 | PritiShankarraoSultane | 21AB510611 | 28 | 30 | 10 | 04 | 06 | 20 |
| 28 | Reena Ramesh Khandare | 21AB510614 | 28 | 28 | 10 | 04 | 06 | 20 |
| 29 | Sakshi Anil Nikam | 21AB510616 | 28 | 30 | 10 | 04 | 06 | 20 |
| 30 | Sakshi Manoj Shinde | 21AB510619 | 28 | 30 | 10 | 04 | 06 | 20 |
| 31 | Sakshi Rajendra Shrirame | 21AB510621 | 28 | 26 | 10 | 04 | 06 | 20 |
| 32 | Sakshi Vitthal Pole | 21AB510625 | 28 | 30 | 10 | 04 | 06 | 20 |
| 33 | Samiksha Gajanan Thor | 21AB510626 | 28 | 28 | 10 | 04 | 06 | 20 |
| 34 | SejalBabanraoChoudhari | 21AB510628 | 28 | 26 | 10 | 04 | 06 | 20 |
| 35 | SejalSudeshraoArekar | 21AB510629 | 28 | 30 | 10 | 04 | 06 | 20 |
| 36 | Shivani Raju Bhalerao | 21AB510631 | 26 | 26 | 10 | 04 | 06 | 20 |
| 37 | Shraddha DattajiPinjari | 21AB510632 | 26 | 26 | 10 | 04 | 06 | 20 |
| 38 | Shreya VinodraoKandalkar | 21AB510633 | 20 | 24 | 10 | 04 | 06 | 20 |
| 39 | Shrutika Arun Bhoyar | 21AB510635 | 28 | -- | 10 | 04 | 06 | 20 |
| 40 | Shweta Brahmanand Kale | 21AB510636 | 28 | 30 | 10 | 04 | 06 | 20 |
| 41 | Siddhant Rajendra Dhokane | 21AB510639 | 28 | 30 | 10 | 04 | 06 | 20 |
| 42 | Sonal Pramod Parkhande | 21AB510640 | 26 | 22 | 10 | 04 | 06 | 20 |
| 43 | Vaishnavi Laxman Kardikar | 21AB510650 | 28 | 28 | 10 | 04 | 06 | 20 |

Head
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**Department Of Microbiology**

**Notice** **Date: 01/04/2022**

All the students of B. Sc. Part I semester –II Microbiology are hereby informed that their topic for assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their topic and submit on or before 30th April 2022.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Abhay Prashant Raut | Mechanism of cell injury |
| 2 | Aditya ArunraoBhatkule | Applied aspects of microorganism in agriculture |
| 3 | Akanksha AvadhutWahane | Chemotherapeutic agents (Penicillin and tetracycline) |
| 4 | Anisha Shivkumar Kadu | Classification of viruses |
| 5 | Aparna Mahadeo Masram | Cultivation of viruses |
| 6 | Apeksha Arun Dongardive | Control of microorganism by high temperature |
| 7 | Arpan Milind Ajmire | Control of microorganism by radiations |
| 8 | Ashish Rajendra Uike | Control of microorganism by filtration |
| 9 | Bilalsheikh M. Salimsheikh | Control of microorganism by halogens |
| 10 | Dhanashri Suresh Kale | Control of microorganism by heavy metals |
| 11 | Gayatri Pradip Rajankar | Gaseous sterilization |
| 12 | Gayatri PundlikraoNikhade | Control of microorganism by physical agents |
| 13 | Gayatri Sanjay Mude | Control of microorganism by chemical agents |
| 14 | Kalyani Kiran Thakare | Components of computer system |
| 15 | Kiran MarotraoDarokar | MS word |
| 16 | KomalBhagwatraoTatte | Internet---useful application |
| 17 | Mahek Sayeed Khan | Creating emails |
| 18 | Mahima Vijay Shirpurkar | What are bio-pesticides? Give advantages over chemical pesticides. |
| 19 | Neha Rajeshrao Raut | Tabulation and classification of data |
| 20 | Nikita Pravin Thakare | Explain morphology of viruses with suitable examples and diagram |
| 21 | Nikita Vilas wankhade | Describe LHT system of classification of viruses |
| 22 | Pavan PurushottamNagpure | Discuss cultivation of viruses by tissue culture method |
| 23 | Prachi Bharat Patil | Explain lysogeny in details |
| 24 | Prachi Gajendra Borghate | Describe different glycosidic linkages & draw structures of maltose and lactose |
| 25 | Prachi SatyanarayanSuryoday | What are biofertilizers? Give examples and applications. |
| 26 | Prajwal Dilip Patil | Discuss cultivation of viruses by animal inoculation and chick embryo method |
| 27 | Prajwal Narendra Sonone | Discuss moist and dry heat sterilization in detail |
| 28 | Pratiksha Gajanan Bharti | What are vaccines? Give types and benefits of vaccines. |
| 29 | Renuka RameshraoWankhade | Describe antibiotics in details |
| 30 | Rucha Pramod Ingle | How amino acids are classified? Discuss concept of peptide bond |
| 31 | Ruchita Jitendra Dube | Give out line of classification of lipids |
| 32 | RutujaHaridasDambale | What is biodegradation? Explain in details |
| 33 | Sadiya Parveen M. Shakil | Discus Watson and Crick model of DNA and explain its structure |
| 34 | Sakshi Anand Atalkar | What is biodegradation? Discuss importance of biodegradation in nature |
| 35 | Sakshi Sanjay Joshi | What are purines and pyrimidines? Illustrate with structures |
| 36 | Sambodhi Vijay Borkar | Explain the structure of mRNA |
| 37 | Samiksha Vijay Sambhe | Discuss tRNA in brief |
| 38 | Samruddhi S. Chaudhari | Give out line of classification of amino acids |
| 39 | Sanskruti A. Deshmukh | What is bioleaching? Explain |
| 40 | Sejal Gajanan Chandekar | Discuss ribosomal rRNA in details |
| 41 | Shraddha Manoj Raut | Explain classification of monosaccharide with examples |
| 42 | ShravaniM.Thakare | Explain different types of structures of protein |
| 43 | Shreya Vasant Bansod | Describe various polysaccharides that you have studied |
| 44 | Shruti Ravindra Kamble | Explain morphology of viruses with suitable examples and diagrams. |
| 45 | SnehalShyamsundarVidulkar | Define polysaccharides? Explain two example. |
| 46 | Swati Shankar Mehakare | What are nucleosides & nucleotides? Illustrate with structures |
| 47 | Tanvi Arun Ghavat | Define monosaccharides? Explain two example. |
| 48 | Tejal Ravindra Gandole | Define disaccharides? Explain two example. |
| 49 | TejasNivruttiZibad | Control of microorganism by osmotic pressure. |
| 50 | TujesNilkanthRajurkar | Chemotherapeutic agents (Norfloxacin). |

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| | | |
|---|---|---|
| 51 | Umerkhan Harun Khan | Explain life cycle in details. |
| 52 | Vaishnavi R. Chaudhari | Measure of central tendency in brief. |
| 53 | Vidhan Amol Sthul | What is correlation? Explain in details. |
| 54 | Virendra Vijay Kale | Describe different models of data presentation. |
| 55 | Vishakha Rajendra Rewade | Describe in detail memory concept of computer. |
| 56 | Vrushali Gajanan Kadu | MS power point. |
| 57 | Yash Pramod Sote | What is interferon? Describe in detail. |
| 58 | TejasPawar | Discovery of viruses. |

Dr. N.A.Sonune
Head

Dr. Y. B. Gandole
Principal

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 01/04/2022

## NOTICE

All the students B. Sc. Part I Semester - II Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted offline on 21th April 2022 at 01.15 pm. All Students must remain present for the test examination.

Units For Test Examination: **Unit No. II- Microbial control and Unit No. IV- Basic Biochemistry**

Dr. N. A. Sonune
Head

Dr. Y. B. Gandole
Principal

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# Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part I 2 S – Microbiology (Microbiology, Biochemistry, Biostatics & Computer)**

**Unit II & IV**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Toxicity of heavy metals in small concentration is called ----------action.

ii) Ultravoilet light is an example of ---------- rediation.

iii) Proteins are the polymers of ----------.

.iv) The structure of DNA was proposed by ----------and----------.

(B) Choose the correct answer. (2)

(i) The temperature-pressure combination for an autoclave is ----------

a. 100° C and 4 psi b. 121° C and 15 psi c. 131° C and 9 psi d. 115° C and 3 psi

(ii) Destroying or removing all forms of microbial life is called as ----------

a. Disinfection b. Sterilization c. Antiseptic d. Sanitization

(iii) Nitrogen bases in RNA are ----------.

a. A G C T b. A G C U c. both a & b d. none of the above

(iv) By-product of acetone-butanol fermentation include

a. Glycosidic linkage b. Peptide linkage c. Electrostatic linkage d. Coherent linkage

(C) Give the answer of following in ONE sentence each. (2)

a) Define antiseptic.

b) What are heteropolysaccharides?

Que 2 What are chemotherapeutic agents? Describe any two chemotherapeutic agent used in treatment of diseases. (12)

OR

What is moist heat sterilization? Discuss methods of moist heat sterilization . (12)

Que 3 a)Give the classification of carbohydrates in brief . (4)

b) Draw structure of purine and pyrimidine base. (4)

c) Give any six properties of DNA. (4)

or

d) Describe in brief elementary structure of protein. (4)

e) Describe the structure of t-RNA. (4)

f) What are phospholipids? Give examples. (4)

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**Class: B.Sc. I Sem II**
**Subject: Microbiology**
**Internal marks Summer-2022**

| Sr. No. | Name of the student | Unit test Score (30) | Unit test mark (12 M) | Assignment (8M) | Total marks (20 M) |
|---|---|---|---|---|---|
| 1 | Abhay Prashant Raut | 28 | 12 | 08 | 20 |
| 2 | Aditya ArunraoBhatkule | 21 | 10 | 08 | 18 |
| 3 | Akanksha AvadhutWahane | 24 | 12 | 08 | 20 |
| 4 | Anisha Shivkumar Kadu | 27 | 12 | 08 | 20 |
| 5 | Aparna Mahadeo Masram | 16 | 07 | 08 | 15 |
| 6 | Apeksha Arun Dongardive | 24 | 12 | 08 | 20 |
| 7 | Arpan Milind Ajmire | 28 | 12 | 08 | 20 |
| 8 | Ashish Rajendra Uike | 21 | 10 | 08 | 18 |
| 9 | Bilalsheikh M. Salimsheikh | 28 | 12 | 08 | 20 |
| 10 | Dhanashri Suresh Kale | 22 | 10 | 08 | 18 |
| 11 | Gayatri Pradip Rajankar | 28 | 12 | 08 | 20 |
| 12 | Gayatri PundlikraoNikhade | 24 | 12 | 08 | 20 |
| 13 | Gayatri Sanjay Mude | 24 | 12 | 08 | 20 |
| 14 | Kalyani Kiran Thakare | 24 | 12 | 08 | 20 |
| 15 | Kiran MarotraoDarokar | 27 | 12 | 08 | 20 |
| 16 | KomalBhagwatraoTatte | 24 | 12 | 08 | 20 |
| 17 | Mahek Sayeed Khan | 24 | 12 | 08 | 20 |
| 18 | Mahima Vijay Shirpurkar | 20 | 10 | 08 | 18 |
| 19 | Neha Rajeshrao Raut | 22 | 10 | 08 | 18 |
| 20 | Nikita Pravin Thakare | 22 | 10 | 08 | 18 |
| 21 | Nikita Vilas wankhade | 24 | 12 | 08 | 20 |
| 22 | Pavan PurushottamNagpure | 26 | 12 | 08 | 20 |
| 23 | Prachi Bharat Patil | 27 | 12 | 08 | 20 |
| 24 | Prachi Gajendra Borghate | 27 | 12 | 08 | 20 |
| 25 | Prachi SatyanarayanSuryoday | 22 | 10 | 08 | 18 |
| 26 | Prajwal Dilip Patil | 18 | 10 | 08 | 18 |
| 27 | Prajwal Narendra Sonone | 21 | 10 | 08 | 18 |
| 28 | Pratiksha Gajanan Bharti | 20 | 10 | 08 | 18 |
| 29 | Renuka RameshraoWankhade | 25 | 12 | 08 | 20 |
| 30 | Rucha Pramod Ingle | 28 | 12 | 08 | 20 |
| 31 | Ruchita Jitendra Dube | 26 | 12 | 08 | 20 |
| 32 | RutujaHaridasDambale | 28 | 12 | 08 | 20 |
| 33 | Sadiya Parveen M. Shakil | 22 | 10 | 08 | 18 |
| 34 | Sakshi Anand Atalkar | 24 | 12 | 08 | 20 |
| 35 | Sakshi Sanjay Joshi | 25 | 12 | 08 | 20 |
| 36 | Sambodhi Vijay Borkar | 29 | 12 | 08 | 20 |
| 37 | Samiksha Vijay Sambhe | 26 | 12 | 08 | 20 |
| 38 | Samruddhi S. Chaudhari | 24 | 12 | 08 | 20 |
| 39 | Sanskruti A. Deshmukh | 24 | 12 | 08 | 20 |
| 40 | Sejal Gajanan Chandekar | 22 | 10 | 08 | 18 |
| 41 | Shraddha Manoj Raut | 26 | 12 | 08 | 20 |
| 42 | ShravaniMohanraoThakare | 25 | 12 | 08 | 20 |
| 43 | Shreya Vasant Bansod | 30 | 12 | 08 | 20 |
| 44 | Shruti Ravindra Kamble | 24 | 12 | 08 | 20 |
| 45 | SnehalShyamsundarVidulkar | 24 | 12 | 08 | 20 |
| 46 | Swati Shankar Mehakare | 26 | 12 | 08 | 20 |
| 47 | Tanvi Arun Ghavat | 24 | 12 | 08 | 20 |
| 48 | Tejal Ravindra Gandole | 26 | 12 | 08 | 20 |
| 49 | TejasNivruttiZibad | 22 | 10 | 08 | 18 |

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|---|---|---|---|---|---|
| 50 | TujesNilkanthRajurkar | 27 | 12 | 08 | 20 |
| 51 | Umerkhan Harun Khan | 24 | 12 | 08 | 20 |
| 52 | Vaishnavi B. Chaudhari | 24 | 12 | 08 | 20 |
| 53 | Vidhan Amol Sthul | 11 | 07 | 08 | 15 |
| 54 | Virendra Vijay Kale | 14 | 07 | 08 | 15 |
| 55 | VishakhaRajendraRewade | 28 | 12 | 08 | 20 |
| 56 | Vrushali Gajanan Kadu | 24 | 12 | 08 | 20 |
| 57 | Yash Pramod Sote | 24 | 12 | 08 | 20 |
| 58 | TejasPawar | AB | 00 | 00 | 00 |

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**Department Of Microbiology**

**Notice** **Date: 01/04/2022**

All the students of B. Sc. Part II semester –IV Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 30th April 2022.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Aashumikucheriya | Widal test |
| 2 | Aditya ahir | Antigenic determinants |
| 3 | Akanksha kharbade | Ig G (Immunoglobulin G) |
| 4 | Anju AnilraoDhanke | Ig A (Immunoglobulin A) |
| 5 | Anuja Uday Nishan | Ig M (Immunoglobulin M) |
| 6 | Anuradha padurangpinjari | RPR Test |
| 7 | Anuradha Bagade | ELISA test |
| 8 | Arpita Nandakishorbadwaik | Precipitation Serological Reaction |
| 9 | Asmita Sushil Shrirame | Agglutination Serological Reaction |
| 10 | Diksha shivdasdhanke | Structure of antibody |
| 11 | Diksha walke | Monoclonal antibody |
| 12 | Gayatri G.Gulhane | Factors determining antigenecity |
| 13 | Gayatri Pradip Nikam | Serological diagnosis of typhoid |
| 14 | Gayatri p. Chandure | Serological diagnosis of syphilis |
| 15 | KhushaliPundlikraoTarhekar | Factors determining pathogenecity of *S. aureus* |
| 16 | Krishna BrijmohanChandak | Antigenic characters of *Salmonella typhi* |
| 17 | Nikita sunilraosote | Pathogenecity of *Vibrio cholerae* |
| 18 | Mrunalsantoshraosawant | Prophylaxis of *Vibrio cholerae* |
| 19 | Payalchaware | Modes of disease transmission |
| 20 | Payalkamble | Pathogenecity of *S. aureus* |
| 21 | Pratik v. Nagrikar | Types of infections |
| 22 | Punam Prakash Meshram | Microbial virulence factors |
| 23 | Punamramdasjichakole | Control of communicable diseases |
| 24 | Sahil Nilesh bhoyar | Organs of immune system |
| 25 | Sakshi DineshraoIngale | Cells of immune system |
| 26 | Sakshi ganeshthakare | Complement fixation test |
| 27 | Sakshi Gopal Kale | Acquired active immunity |
| 28 | Sakshi badhiye | Acquired passive immunity |
| 29 | Samiksha GopalraoThakare | Hypersensitivity |
| 30 | Sanjana Naresharaowankhade | Pathogenic ity of *Mycobacterium tuberculosis* |
| 31 | Sonali Anil Kalpande | Pathogenecity of *Treponema pallidum* |
| 32 | Sayaligulhane | Pathogenecity of *Clostridium tetani* |
| 33 | Sejal Rajesh Mothghare | Control of AIDS |
| 34 | Shital kokate | Pathogenic aspects of *Candida albicans* |
| 35 | Shivani vasudevAkade | Pathogenic aspects of *Entamoeba histolytica* |
| 36 | Shreya Thakur | Rabies |
| 37 | SnehalDineshraodurge | Antifungal agents (mode of action & applications) |
| 38 | Sankalp Malviya | Antiviral agents (mode of action & applications) |
| 39 | Tejas Sanjay gawarle | Polio – Types, Causes & Symptoms |
| 40 | Vaishnavi narayansundarkar | Polio – Prevention |
| 41 | Vaishnavi pethe | Polio – Global Eradication Initiative |
| 42 | Vaidehikhedekar | Monoclonal antibodies |
| 43 | Yadavigawande | Innate immunity |

Dr. N.A.Sonune
Head

Dr. Y. B. Gandole
Principal

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Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 01/04/2022

## NOTICE

All the students B. Sc. Part II Semester - IV Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted offline on 22th April 2022 at 2.55 pm. All Students must remain present for the test examination.

Units For Test Examination: **Unit No. III Serology and Unit No. V- Other pathogenic organisms**

Dr. N. A. Sonune
Head

Dr. Y. B. Gandole
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& Birla Comm. Mahavidyalaya
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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part II 4 S – Microbiology (Medical Microbiology)**

**Unit III & V**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Antibodies are called as ----------.

ii) Incomplete antigens are called as --------.

iii) The term viral hepatitis refers to a primary infection of the ---------.

.iv) Persistent Generalized Lymphadenopathy that means enlargement of ----------.

(B) Choose the correct answer. (2)

(i) The largest immunoglobulin molecule containing 5 monomer units is----------.

a. IgG b. IgM c. IgA d. IgD

(ii) Antibodies produced from hybridoma of single B- cell clone are called as----------antibody.

a. Polyclonal b. Monoclonal c. Both the above d. none of the above

(iii) HIV is known as retrovirus because, it has an enzyme ----------

a. Amylase b. Lipase c. Cellulaes d. Reverse transcriptase

(iv) The causative agent of Amoebiasis is----------

a. *E. coli* b. *Hepatitis A* c. *R. prowozakii* d. *E. histolytica*

(C) Give the answer of following in ONE sentence each. (2)

a) What is an epitope

b) What is paralytic polio?

Que 2 Describe in detail ELISA and its types.. (12)

OR

Describe the structure and properties of IgG and IgM in detail. (12)

Que 3 a) Describe pathogenicity of R. prowazekii. (4)

b) Describe the morphology of *E.histolytica*. (4)

c) Draw a well labelled diagram of HIV virus. (4)

or

d) What is jaundice? Explain lab-diagnosis of HAV. (4)

e) Draw a well labeled diagram of Rabies virus.. (4)

f) Define poliomyelitis. How the disease control by using immunizing agents? (4)

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part II 4 S – Microbiology (Medical Microbiology)**

**Unit III & V**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Antibodies are called as ----------.

ii) Incomplete antigens are called as --------.

iii) The term viral hepatitis refers to a primary infection of the ---------.

.iv) Persistent Generalized Lymphadenopathy that means enlargement of ----------.

(B) Choose the correct answer. (2)

(i) The largest immunoglobulin molecule containing 5 monomer units is----------.

a. IgG b. IgM c. IgA d. IgD

(ii) Antibodies produced from hybridoma of single B- cell clone are called as----------antibody.

a. Polyclonal b. Monoclonal c. Both the above d. none of the above

(iii) HIV is known as retrovirus because, it has an enzyme ----------

a. Amylase b. Lipase c. Cellulaes d. Reverse transcriptase

(iv) The causative agent of Amoebiasis is----------

a. *E. coli* b. *Hepatitis A* c. *R. prowozakii* d. *E. histolytica*

(C) Give the answer of following in ONE sentence each. (2)

a) What is an epitope

b) What is paralytic polio?

Que 2 Describe in detail ELISA and its types.. (12)

OR

Describe the structure and properties of IgG and IgM in detail. (12)

Que 3 a) Describe pathogenicity of R. prowazekii. (4)

b) Describe the morphology of *E.histolytica*. (4)

c) Draw a well labelled diagram of HIV virus. (4)

or

d) What is jaundice? Explain lab-diagnosis of HAV. (4)

e) Draw a well labeled diagram of Rabies virus.. (4)

f) Define poliomyelitis. How the disease control by using immunizing agents? (4)


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Department of Microbiology

B.Sc.II Semester IV Tour report submission (2021-22)

| Sr. No. | Name of Student | Signature |
|---|---|---|
| 1 | Aashumi Kucheriya | Akucheriya |
| 2 | Aditya Ahir | |
| 3 | Akanksha Kharbade | |
| 4 | Anju Anilrao Dhanke | Adhanke |
| 5 | Anuja Uday Nishan | Nishan |
| 6 | Anuradha Padurang Pinjari | |
| 7 | Anuradha Bagade | Abagade |
| 8 | Arpita Nandakishor Badwaik | |
| 9 | Asmita Sushil Shrirame | Ashriramd |
| 10 | Diksha Shivdas Dhanke | DShanke |
| 11 | Diksha Walke | |
| 12 | Gayatri G. Gulhane | Gulhane |
| 113 | Gayatri Pradip Nikam | Gnikam |
| 14 | Gayatri P.Chandure | Gchandure |
| 15 | KhushaliPundlikraoTarhekar | Ktarhekar |
| 16 | Krishna Brijmohan Chandak | Kchandak |
| 17 | Nikita Sunilrao Sote | NSote |
| 18 | MrunalSantoshrao Sawant | MSawant |
| 19 | Payal Chaware | Pchaware |
| 20 | Payal Kamble | |
| 21 | Pratik V. Nagrikar | Pnagrikar |
| 22 | Punam Prakash Meshram | Pmeshram |
| 23 | Punam Ramdasji Chakole | Pchakole |
| 24 | Sahil Nilesh Bhoyar | Sbhoyar |
| 25 | Sakshi Dineshrao Ingale | SIngale |
| 26 | Sakshi Ganesh Thakare | SThakare |
| 27 | Sakshi Gopal Kale | Skale |
| 28 | Sakshi Badhiye | Sbadhiye |
| 29 | Samiksha GopalraoThakare | Sthakare |
| 30 | Sanjana Naresharao Wankhade | Swankhede |
| 31 | Sonali Anil Kalpande | Skalpande |
| 32 | Sayali Gulhane | Sgulhane |
| 33 | Sejal Rajesh Mothghare | Smothghare |
| 34 | Shital Kokate | Skokate |
| 35 | Shivani Vasudev Akade | Sakade |
| 36 | Shreya Thakur | |
| 37 | Snehal Dineshrao Durge | Sdurge |
| 38 | Sankalp Malviya | |
| 39 | Tejas Sanjay gawarle | Tgawarle |
| 40 | Vaishnavi Narayan Sundarkar | Vsundarkar |
| 41 | Vaishnavi Pethe | Vpethe |
| 42 | Vaidehi Khedekar | Vkhedekar |
| 43 | Yadavi Gawande | Ygawande |

(Dr. N. A. Sonune)

Head

(Dr. Y. B. Gandole)

Principal

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**Adarsha Science, J.B. Arts and Birla CommerceMahavidyalayaDhamangaon Rly.**
**Class: B.Sc. II Sem IV**
**Subject: Microbiology**
**Internal marks Summer-2022**

| Sr. No. | Name of the Student | Unit Test Score (30) | Unit test mark (10 M) | Assignment (04 M) | Seminar (06 M) | Tour (6 M) | Total marks (20 M) |
|---|---|---|---|---|---|---|---|
| 1 | AashumiKucheriya | 27 | 10 | 04 | | 06 | 20 |
| 2 | Aditya Ahir | 17 | 05 | 04 | 06 | | 15 |
| 3 | Akanksha Balukharbade | 27 | 10 | 04 | | 06 | 20 |
| 4 | Anju AnilraoDhanke | 28 | 10 | 04 | | 06 | 20 |
| 5 | Anuja Uday Nishan | 26 | 10 | 04 | | 06 | 20 |
| 6 | Anuradha PadurangPinjari | 27 | 10 | 04 | | 06 | 20 |
| 7 | Anuradha Prakash Bagade | 25 | 10 | 04 | | 06 | 20 |
| 8 | Arpita NandakishorBadwaik | AB | 00 | 00 | | 00 | 00 |
| 9 | Asmita Sushil Shrirame | 26 | 10 | 04 | | 06 | 20 |
| 10 | Diksha ShivdasDhanke | 29 | 10 | 04 | | 06 | 20 |
| 11 | Gayatri P.Chandure | 27 | 10 | 04 | | 06 | 20 |
| 12 | Gayatri Ghanshyam Gulhane | 28 | 10 | 04 | | 06 | 20 |
| 13 | Gayatri Pradip Nikam | 28 | 10 | 04 | | 06 | 20 |
| 14 | KhushaliPundlikraoTarhekar | 28 | 10 | 04 | | 06 | 20 |
| 15 | Krishna BrijmohanChandak | 27 | 10 | 04 | | 06 | 20 |
| 16 | Sonali Anil Kalpande | 30 | 10 | 04 | | 06 | 20 |
| 17 | MrunalSantoshrao Sawant | 29 | 10 | 04 | | 06 | 20 |
| 18 | Nikita S. Sote | 25 | 10 | 04 | | 06 | 20 |
| 19 | PayalChaware | 27 | 10 | 04 | | 06 | 20 |
| 20 | Payal Suresh Kamble | 26 | 10 | 04 | 06 | | 20 |
| 21 | Pratik Vijay Nagrikar | 25 | 10 | 04 | | 06 | 20 |
| 22 | Punam Prakash Meshram | 24 | 10 | 04 | | 06 | 20 |
| 23 | PunamRamdasjiChakole | 24 | 10 | 04 | | 06 | 20 |
| 24 | Sahil N. Bhoyar | 24 | 10 | 04 | | 06 | 20 |
| 25 | Sakshi Badhiye | 24 | 10 | 04 | | 06 | 20 |
| 26 | Sakshi DineshraoIngale | 28 | 10 | 04 | | 06 | 20 |
| 27 | Sakshi Ganesh Thakare | 26 | 10 | 04 | | 06 | 20 |
| 28 | Sakshi Gopal Kale | 28 | 10 | 04 | | 06 | 20 |
| 29 | Samiksha GopalraoThakare | 25 | 10 | 04 | | 06 | 20 |
| 30 | Sanjana Naresh Wankhade | 30 | 10 | 04 | | 06 | 20 |
| 31 | Sankalp Malviya | 27 | 10 | 04 | 06 | | 20 |
| 32 | SayaliGulhane | 26 | 10 | 04 | | 06 | 20 |
| 33 | SejalMotghare | 25 | 10 | 04 | | 06 | 20 |
| 34 | Shital Kokate | 24 | 10 | 04 | | 06 | 20 |
| 35 | Shivani Vasudev Akade | 28 | 10 | 04 | | 06 | 20 |
| 36 | Shreya Arun Thakur | 26 | 10 | 04 | 06 | | 20 |
| 37 | SnehalDineshraoDurge | 24 | 10 | 04 | | 06 | 20 |
| 38 | TejasSanjayraoGawarle | 25 | 10 | 04 | | 06 | 20 |
| 39 | Vaidehi Vilas Khedekar | 27 | 10 | 04 | | 06 | 20 |
| 40 | Vaishnavi Narayan Sundarkar | 28 | 10 | 04 | | 06 | 20 |
| 41 | Vaishnavi Prakash Pethe | 26 | 10 | 04 | | 06 | 20 |
| 42 | Yadavi Gawande | 26 | 10 | 04 | | 06 | 20 |

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**Department Of Microbiology**

**Notice** **Date: 01/04/2022**

All the students of B. Sc. Part III semester –VI Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 30th April 2022.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Aastha Laxmanrao Wasnik | Industrial Production of Penicillin |
| 2 | Achal Nagrikar | Microbial Industrial Production of Cellulase |
| 3 | Akashata Lokhande | Industrial Production of Beer |
| 4 | Apeksha Shivdatta Garad | Industrial Production of Amylase (bacterial) |
| 5 | Ashwini pramod wankhade | Industrial Production of single cell protein |
| 6 | Bhagyashri Wanjari | Industrial Production of ethyl alcohol |
| 7 | Chanchal Gawarle | Industrial Production of Vinegar |
| 8 | Diksha Choube | Industrial Production of Acetone-butanol from corn |
| 9 | Dinesh Narendraji Dagwar | Pasteurization |
| 10 | Dineshwari Jitendra Shelar | Industrial Production of Streptomycin |
| 11 | Divya Sunilrao Chauragade | Manufacture of butter |
| 12 | Gauri Ashok Budhe | Preparation of fermented food like Pickles |
| 13 | Gauri Khandarkar | Preparation of fermented food like Idli |
| 14 | Gayatri pramodrao bante | Industrial Production of Wine (Red table) |
| 15 | Isha vijay unone | Industrial Production of Vitamin $B_6$ |
| 16 | Janavi hemrajji titare | Milk adulteration testing methods |
| 17 | Kanchan Arvind Nehare | Indicators of food contamination as per WHO |
| 18 | Monali Nitin bhure | Manufacture of Milk Powder |
| 19 | Nikita gajanan karangale | Manufacture of Cheedar Cheese |
| 20 | Nikita R.Ghavade | Industrial Production of Citric acid |
| 21 | Palak Avinash Raut | Manufacture of Yoghurt |
| 22 | Pallavi D. Golait | Manufacture of Butter |
| 23 | Pallavi Chimurkar | Methods of Preservation of Foods |
| 24 | Pradnya Manikrao Wasnik | Preparation of Milk Powder |
| 25 | Pratiksha G. Bhoyar | Industrial production of Vitamin C |
| 26 | Pratiksha parteki | Manufacture of Kefir |
| 27 | Priti Sultane | Scope of Industrial microbiology and Biotechnology |
| 28 | Reena Rameshrao khandare | Industrial production of Fungal Amylase |
| 29 | Sakshi Anil Nikam | Food infections |
| 30 | sakshi manojrao shinde. | Manufacture of Fermented food like Sauerkraut |
| 31 | Sakshi Shrirame | Screening of industrial important microorganisms |
| 32 | Sakshi Vitthalrao Pole | Industrial production of tetracycline |
| 33 | Samiksha gajanan thor | Industrial production of Vitamin $B_{12}$ |
| 34 | Sejal Choudhari | Oxidative phosphorylation |
| 35 | Sejal Sudeshrao Arekar | Industrial production of Vitamin E |
| 36 | Shivani Bhalerao | Industrial production of Vitamin A |
| 37 | Shraddha Dattaji pinjari | Industrial Production of Wine (White table) |
| 38 | Shreya Vinod Kandalkar | Industrial production of Vitamin K |
| 39 | Shrutika bhoyar | EMP Pathway |
| 40 | Shweta kale | Sources of Microorganisms in Milk |
| 41 | Siddhant R. Dhokane | Sources of Microorganisms in Food |
| 42 | Sonal pramod parkhande | TCA cycle |
| 43 | Vaishnavi L kardikar | Food poisoning and Food infections |

Dr. N.A.Sonune
Head

Dr. Y. B. Gandole
Principal

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 01/04/2022

## NOTICE

All the students B. Sc. Part III Semester - VI Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on 18th April 2022 at 2.55 pm. All Students must remain present for the test examination.

Units For Test Examination: **Unit No. I- Fermentation in General and Unit No. II- Industrial Production I**

Dr. N. A. Sonune
Head

Dr. Y. B. Gandole
Principal

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# Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part III 6 S – Microbiology (Industrial Fermentation, Food Microbiology & Metabolism)**

**Unit I & II**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) The aeration device in fermentation tank is called a ----------,

ii) Whey is obtained as a by-product of ---------- industry.

iii) Cidar vinegar is made by alcoholic and acetous fermentation of ----------

.iv) Malt is prepared from ----------,

(B) Choose the correct answer. (2)

(i) Large vessel containing all the parts and condition necessary for the growth of desired microorganisms is called ----------

a. Bio reactor b. Auto reactor c. Impeller d. None of these

(ii) Batch fermentation is also called ----------

a. Closed system b. Open system c. Fed-Batch system d. Sub-merger system

(iii) During fermentation, pyruvic acid is converted into organic products such as

a. glucose and fructose b. starch and cellulose c. ethyl alcohol and lactic acid d. citric acid and isocitric acid

(iv) By-product of acetone-butanol fermentation include

a. Riboflavin b. Penicillin c. Isopropanol d. All of these

(C) Give the answer of following in ONE sentence each. (2)

a) Define industrial microbiology

b) Give the examples of antifoaming agents.

Que 2 What is screening? Describe in brief different techniques of primary screening. (12)

OR

Describe in detail different types of raw materials used in fermentation industry. (12)

Que 3 a) Explain how fermentation medium is prepared for beer manufacturing process. (4)

b) Describe in brief manufacture of red wine. (4)

c) 'Production of vinegar requires two fermentations' justify the statement. (4)

or

d) Discuss the enzymatic mechanism of alcoholic fermentation. (4)

e) Give some important industrial uses of citric acid. (4)

f) What are malt adjuncts ? Give its role in brewing process. (4)

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Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.III Semester VI Tour report submission (2021-22)

| Sr. No. | Name of Student | Signature |
|---|---|---|
| 1 | Aastha LaxmanraoWasnik | |
| 2 | Achal Vijay Nagrikar | |
| 3 | Akshata Arunrao Lokhande | |
| 4 | Apeksha Shivdatta Garad | |
| 5 | Ashwini Pramod Wankhade | |
| 6 | Bhagyashri Vijay Wanjari | |
| 7 | Chanchal Gajendra Gawarle | |
| 8 | Diksha Shashikant Choube | |
| 9 | Dinesh Narendra Dagwar | |
| 10 | Dineshwari Jitendra Shelar | |
| 11 | Divya Sunil Chauragade | |
| 12 | Gauri AshokraoBudhe | |
| 113 | Gauri Dinesh Khandarkar | |
| 14 | Gayatri Pramod Bante | |
| 15 | Isha Vijay Unone | |
| 16 | Janavi HemrajjiTitare | |
| 17 | Kanchan Arvind Nyahare | |
| 18 | Monali Nitinrao Bhure | |
| 19 | Nikhita Gajanan Karangale | |
| 20 | Nikita Rajabhau Ghavade | |
| 21 | Palak Avinash Raut | |
| 22 | Pallavi Diliprao Golait | |
| 23 | Pallavi Gajanan Chimurkar | |
| 24 | Pradnya Manikrao Wasnik | |
| 25 | Pratiksha Gajanan Bhoyar | |
| 26 | Pratiksha Kishor Parteki | |
| 27 | Priti Shankarrao Sultane | |
| 28 | Reena Ramesh Khandare | |
| 29 | Sakshi Anil Nikam | |
| 30 | Sakshi Manoj Shinde | |
| 31 | Sakshi Rajendra Shriramе | |
| 32 | Sakshi Vitthal Pole | |
| 33 | Samiksha Gajanan Thor | |
| 34 | Sejal Babanrao Choudhari | |
| 35 | Sejal Sudeshrao Arekar | |
| 36 | Shivani Raju Bhalerao | |
| 37 | Shraddha Dattaji Pinjari | |
| 38 | Shreya Vinodrao Kandalkar | |
| 39 | Shrutika Arun Bhoyar | |
| 40 | Shweta Brahmanand Kale | |
| 41 | Siddhant Rajendra Dhokane | |
| 42 | Sonal Pramod Parkhande | |
| 43 | Vaishnavi Laxman Kardikar | |

( Dr. N. A. Sonune)

Head

(Dr. Y. B. Gandole)

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**Adarsha Science, J.B. Arts and Birla CommerceMahavidyalayaDhamangaon Rly.**
**Class: B.Sc. III Sem VI**
**Subject: Microbiology**
**Internal marks Summer-2022**

| Sr. No. | Name of the Student | Unit test Score (30) | Unit test mark (10 M) | Project (04 M) | Seminar (06 M) | Tour (06 M) | Total marks (20 M) |
|---|---|---|---|---|---|---|---|
| 1 | AshutiNagrikar | 26 | 10 | 04 | | 06 | 20 |
| 2 | AkshataLokhande | 24 | 10 | 04 | | 06 | 20 |
| 3 | Ashwini P. Wankhade | 27 | 10 | 04 | | 06 | 20 |
| 4 | BhagyashriWanjari | 23 | 07 | 04 | | 06 | 17 |
| 5 | Chanchal G. Gawarle | 23 | 07 | 04 | | 06 | 17 |
| 6 | Diksha Shashikant Choube | 24 | 10 | 04 | | 06 | 20 |
| 7 | Dinesh Narendra Dagwar | 28 | 10 | 04 | | 06 | 20 |
| 8 | Dineshwari Jitendra Shelar | 27 | 10 | 04 | | 06 | 20 |
| 9 | Gauri Ashok Budhe | 30 | 10 | 04 | | 06 | 20 |
| 10 | Gauri Dinesh Khandarkar | 25 | 10 | 04 | 06 | | 20 |
| 11 | Gayatri PramodraoBante | 25 | 10 | 04 | | 06 | 20 |
| 12 | Isha Vijay Umone | 29 | 10 | 04 | | 06 | 20 |
| 13 | JanhaviHemrajiTiare | 29 | 10 | 04 | | 06 | 20 |
| 14 | Shrutika A. Bhoyar | 25 | 10 | 04 | | 06 | 20 |
| 15 | Divya S. Chauragade | 26 | 10 | 04 | | 06 | 20 |
| 16 | Kanchan Arvind Nyahare | 24 | 10 | 04 | | 06 | 20 |
| 17 | Sakshi Manoj Shinde | 24 | 10 | 04 | | 06 | 20 |
| 18 | SejalSudeshraoArekar | 29 | 10 | 04 | | 06 | 20 |
| 19 | Aastha Laxmanrao Wasnik | 28 | 10 | 04 | | 06 | 20 |
| 20 | ApekshaShivdattaGarad | 26 | 10 | 04 | | 06 | 20 |
| 21 | Monali Nitin Bhure | 27 | 10 | 04 | | 06 | 20 |
| 22 | Nikita Gajanan Karangale | 26 | 10 | 04 | | 06 | 20 |
| 23 | Nikita R. Ghavade | 24 | 10 | 04 | | 06 | 20 |
| 24 | Palak Avinash Raut | 29 | 10 | 04 | | 06 | 20 |
| 25 | Pallavi D. Gulait | 25 | 10 | 04 | | 06 | 20 |
| 26 | Pallavi Gajanan Chimurkar | 22 | 07 | 04 | | 06 | 17 |
| 27 | Pratiksha Gajanan Bhoyar | 26 | 10 | 04 | | 06 | 20 |
| 28 | PratikshaPareki | 24 | 10 | 04 | | 06 | 20 |
| 29 | PritiShankararaoSultane | 26 | 10 | 04 | | 06 | 20 |
| 30 | Reena Ramesh Khandare | 24 | 10 | 04 | | 06 | 20 |
| 31 | Sakshi Anil Nikam | 28 | 10 | 04 | | 06 | 20 |
| 32 | Sakshi Rajendra Shriname | 24 | 10 | 04 | | 06 | 20 |
| 33 | Sakshi Vitthalrao Pole | 24 | 10 | 04 | | 06 | 20 |
| 34 | Samiksha Gajanan Thor | 24 | 10 | 04 | | 06 | 20 |
| 35 | SejalBabanraoChoudhari | 22 | 07 | 04 | | 06 | 17 |
| 36 | Shivani Raju Bhalerao | 25 | 10 | 04 | | 06 | 20 |
| 37 | Shraddha DattajiPinjari | 25 | 10 | 04 | | 06 | 20 |
| 38 | Shreya Vinod Kandalkar | 28 | 10 | 04 | | 06 | 20 |
| 39 | Shweta Brahmanand Kale | 29 | 10 | 04 | 06 | | 20 |
| 40 | Siddhant R. Dhokane | 28 | 10 | 04 | | 06 | 20 |
| 41 | Sonal Pramod Parkhande | 26 | 10 | 04 | | 06 | 20 |
| 42 | Vaishnavi L. Kartikar | 24 | 10 | 04 | | 06 | 20 |
| 43 | PradnyaWasnik | 25 | 10 | 04 | | 06 | 20 |

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2020-21

**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-** **Date:-05.02.2021**

All the students of **B.Sc.I/Semester I (Microbiology)** are hereby informed that their topics for **assignment (Internal assessment marks)** have been allotted. All students will be required to submit this assignment **on or before 16th Feb.2021**. All are advised to note the same.

**Zoology batch**

| Sr. No. | Name Of Student | Topic for Assignment |
|---|---|---|
| 1 | Aditya Anil Ahir | Growth curve of bacterial population |
| 2 | Anju Anilrao Dhanke | Synchronous culture of bacteria |
| 3 | Anuja Uday Nishan | Methods of reproduction in bacteria |
| 4 | Diksha Shivdas Dhanke | Structure and function of ribosome |
| 5 | Divya Jagjivan Gadge | Nutritional classification of microorganism |
| 6 | Gayatri Ghanshyam Gulhane | Structure and function of Cytoplasmic membrane of bacteria |
| 7 | Gayatri Pradip Nikam | Solidifying Agents |
| 8 | Gayatri Pramodrao Chandure | Structure of Bacterial flagella (Gram + & Gram – ve) |
| 9 | Mayuri Dhanraj Ratale | Chemical composition & functions of Capsule of bacteria |
| 10 | Payal Suresh Kamble | Different methods of isolation of Pure Culture |
| 11 | Pooja Dipak Kurhade | Methods of Preservation of Pure Cultures |
| 12 | Punam Prakash Meshram | Different types of media used in Microbiology |
| 13 | Punam Ramdas Chakole | Structure of cell wall of gram + and gram — bacteria |
| 14 | Rutuja Omprakash Dhanuskar | Characteristics and structure of bacterial endospore |
| 15 | Sakshi Dineshrao Ingale | Methods of Determination of nutritional requirements |
| 16 | Sakshi Gopal Kale | Basic nutritional requirements of microorganisms |
| 17 | Samiksha Gopalrao Thakare | Concept of prokaryotes and eucaryotes |
| 18 | Sanjana Nareshrao Wankhade | General characters and classes of Plasmids |
| 19 | Sayali Ajayrao Gulhane | Shape, arrangement and structure of bacterial cell |
| 20 | Sejal Rajesh Motghare | Different Types of media |
| 21 | Sheriya Arunsingh Thakur | Role of beef extract, yeast extract and peptone in media |
| 22 | Shivani Vasudevrao Akade | Different methods of reproduction in bacteria |
| 23 | Snehal Dineshrao Durge | Growth rate and generation time |
| 24 | Vaidehi Vilas Khedekar | Continuous culture of microorganism |
| 25 | Yadavi Manohar Gawande | Factors influencing bacterial growth |

(Dr. N. A. Sonune)

(Dr. Y. B. Gandole)

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**Department of Microbiology**

**-Notice-** **Date:-05.02.2021**

All the students of **B.Sc.I/Semester I (Microbiology)** are hereby informed that their topics for **assignment (Internal assessment marks)** have been allotted. All students will be required to submit this assignment **on or before 16th Feb.2021**. All are advised to note the same.

**Botany batch**

| Sr. No. | Name of Student | Topic for Assignment |
|---|---|---|
| 1 | Krishna Brijmohan Chandak | Flagella staining ( Principle, method) |
| 2 | Aashumi Ashok Kucheriya | Contribution of Leeuwenhoek |
| 3 | Aditi Samirrao Pelagade | Functions of various parts of Compound Microscope |
| 4 | Akanksha Balu Kharbade | Acid fast staining (Principle,method and mechanism) |
| 5 | Anuradha Pandurangji Pinjari | Contributions of Robert Koch |
| 6 | Arpita Nandkishor Badwaik | Compound Microscope (principle, ray diagram, etc) |
| 7 | Asmita Sushil Shrirame | Scope of Genetic Engineering and Molecular biology |
| 8 | Chaitali Istari Ghodam | Contributions of Schulze, Schwann and Von Dusch and Shroeder |
| 9 | Diksha Vijayrao Walke | Flourescence Microscope ( principle, ray diagram, etc) |
| 10 | Khushali Pundlikrao Tarhekar | Beneficial and harmful activities of microorganisms |
| 11 | Mrunal Santosh Sawant | Gram staining (Principle, method and mechanism) |
| 12 | Nikita Sunilrao Sote | Transmission electron microscope |
| 13 | Payal Balram Chavare | Phase contrast microscope (ray diagram, etc) |
| 14 | Pornima Hemant Lonare | Scope of Industrial Microbiology and Biotechnology |
| 15 | Pratik Vijay Nagrikar | Endospore staining( Principle,method) |
| 16 | Punam Chandrashekhar Kadu | General characteristics of Fungi |
| 17 | Rujal Gurudas Gudadhe | Dye, stain, classification of dyes, chromogen, leucostain, mordent |
| 18 | Sakshi Janardhan Badhiye | Pure culture concept |
| 19 | Sankalp Shyam Malviya | Germ theory of disease |
| 20 | Shital Gajanan Kokate | Scope of Environmental Microbiology and Medical Microbiology |
| 21 | Sonali Anil Kalpande | Contributions of Louis Pastuer and John Tyndall |
| 22 | Tejas Sanjayrao Gawarle | Scanning electron microscope |
| 23 | Vaishnavi Narayan Sundarkar | General characteristics of Algae |
| 24 | Vaishnavi Prakash Pethe | General characteristics of Viruses |

**(Dr. G. N. Budhlani)**

**(Dr. Y. B. Gandole)**

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DEPARTMENT OF MICROBIOLOGY

Date: 05/02/2021

## NOTICE

All the students B. Sc. Part I Semester – I (Microbiology) are hereby informed that, as a part of Internal Assessment, their class test will be conducted online on 17th February 2021 at 12.10 pm. All Students must remain present for the test examination.

Unit for Test Examination: **Unit No. IHistory of Microbiology**

(Dr. N. A. Sonune)

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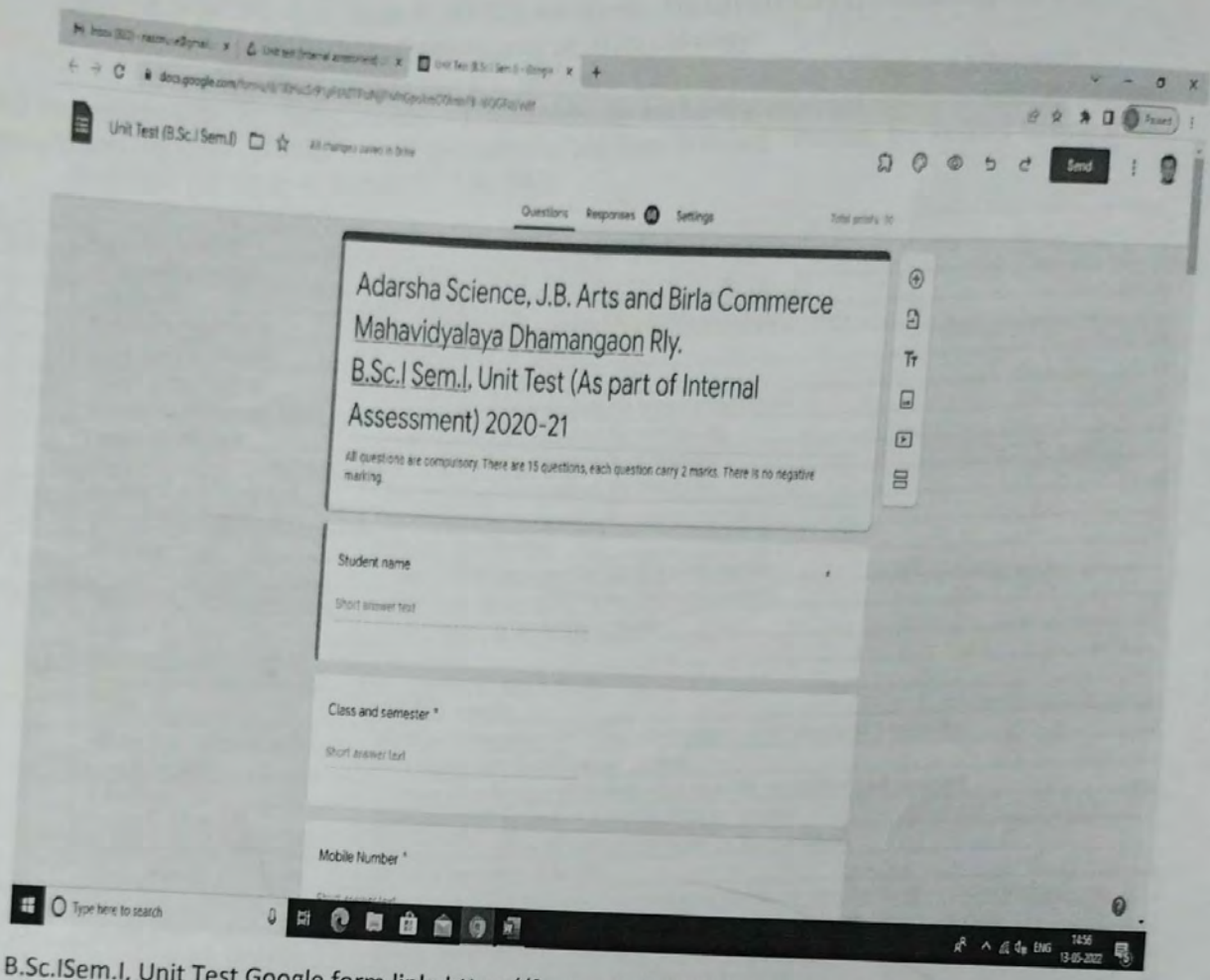
| Adarsha Science, J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.<br>B.Sc.I Sem I Microbiology (Internal Marks Winter 2020) | | | | | | |
|---|---|---|---|---|---|---|
| Sr.No. | Name of student | Roll no. | Unit test Score | Unit test marks (12) | Assignment (08) | Total marks (20 marks) |
| 1 | Aashumi Kucheriya | 70699 | 28 / 30 | 12 | 08 | 20 |
| 2 | Aditya Ahir | 70703 | 24 / 30 | 12 | 08 | 20 |
| 3 | Akanksha Kharbade | 70706 | 24 / 30 | 12 | 08 | 20 |
| 4 | Anju Anilrao Dhanke | 70712 | 24 / 30 | 12 | 08 | 20 |
| 5 | Anuja Uday Nishan | 70714 | 26 / 30 | 12 | 08 | 20 |
| 6 | Anuradha Padurang Pinjari | 70715 | 26 / 30 | 12 | 08 | 20 |
| 7 | Anuradha Bagade | 70716 | 22 / 30 | 12 | 08 | 20 |
| 8 | Arpita Nandakishor Badwaik | 70718 | 28 / 30 | 12 | 08 | 20 |
| 9 | Asmita Sushil Shrirame | 70720 | 28 / 30 | 12 | 08 | 20 |
| 10 | Diksha Shivdas Dhanke | 70728 | 26 / 30 | 12 | 08 | 20 |
| 11 | Diksha Walke | 70729 | 30 / 30 | 12 | 08 | 20 |
| 12 | Gayatri G. Gulhane | 70733 | 28 / 30 | 12 | 08 | 20 |
| 13 | Gayatri Pradip Nikam | 70734 | 28 / 30 | 12 | 08 | 20 |
| 14 | Gayatri P. Chandure | 70735 | 30 / 30 | 12 | 08 | 20 |
| 15 | Khushali Pundlikrao Tarhekar | 70744 | 30 / 30 | 12 | 08 | 20 |
| 16 | Krishna Brijmohan Chandak | 70745 | 28 / 30 | 12 | 08 | 20 |
| 17 | Nikita Sunilrao Sote | 70752 | 24 / 30 | 12 | 08 | 20 |
| 18 | Mrunal Santoshrao Sawant | 70750 | 28 / 30 | 12 | 08 | 20 |
| 19 | Payal Chaware | 70753 | 26 / 30 | 12 | 08 | 20 |
| 20 | Payal Kamble | 70754 | 28 / 30 | 12 | 08 | 20 |
| 21 | Pooja Dipak Kurhade | 70755 | 30 / 30 | 12 | 00 | 00 |
| 22 | Pratik V. Nagrikar | 70762 | 28 / 30 | 12 | 08 | 20 |
| 23 | Punam Chandrashekhar Kadu | 70765 | 30 / 30 | 12 | 00 | 00 |
| 24 | Punam Prakash Meshram | 70766 | 28 / 30 | 12 | 08 | 20 |
| 25 | Punam Ramdasji Chakole | 70767 | 30 / 30 | 12 | 08 | 20 |
| 26 | Sahil Nilesh Bhoyar | 70775 | 28 / 30 | 12 | 08 | 20 |
| 27 | Sakshi Dineshrao Ingale | 70776 | 26 / 30 | 12 | 08 | 20 |
| 28 | Sakshi Ganesh Thakare | 70777 | 24 / 30 | 12 | 08 | 20 |
| 29 | Sakshi Gopal Kale | 70778 | 30 / 30 | 12 | 08 | 20 |
| 30 | Sakshi Badhiye | 70779 | 24 / 30 | 12 | 08 | 20 |
| 31 | Samiksha Gopalrao Thakare | 70780 | 30 / 30 | 12 | 08 | 20 |
| 32 | Sanjana Naresharao wankhade | 70782 | 24 / 30 | 12 | 08 | 20 |
| 33 | Sonali Anil Kalpande | 70801 | 30 / 30 | 12 | 08 | 20 |
| 34 | Sayali Gulhane | 70784 | 26 / 30 | 12 | 08 | 20 |
| 35 | Sejal Rajesh Mothghare | 70785 | 30 / 30 | 12 | 08 | 20 |
| 36 | Shital Kokate | 70787 | 14 / 30 | 12 | 08 | 20 |
| 37 | Shivani Vasudev Akade | 70790 | 24 / 30 | 12 | 08 | 20 |
| 38 | Shreya Thakur | 70792 | 30 / 30 | 12 | 08 | 20 |
| 39 | Snehal Dineshrao Durge | 70798 | 24 / 30 | 12 | 08 | 20 |
| 40 | Sankalp Malviya | 70802 | 26 / 30 | 12 | 08 | 20 |
| 41 | Tejas Sanjay Gawarle | 70807 | 28 / 30 | 12 | 08 | 20 |
| 42 | Vaishnavi Narayan Sundarkar | 70811 | 28 / 30 | 12 | 08 | 20 |
| 43 | Vaishnavi Pethe | 70812 | 24 / 30 | 12 | 08 | 20 |
| 44 | Vaidehi Khedekar | 82257 | 26/30 | 12 | 08 | 20 |
| 45 | Yadavi Gawande | 82258 | 22/30 | 12 | 08 | 20 |

Head

Principal

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**Department of Microbiology**

**Notice** **Date: 11/07/2021**

All the students of B. Sc. Part I semester –II Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their [illegible] topic and submit on or before 31th July 2021.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | AashumiKucheriya | Mechanism of cell injury |
| 2 | Aditya Ahir | Applied aspects of microorganism in agriculture |
| 3 | Akanksha Kharbade | Chemotherapeutic agents (Penicillin and tetracycline) |
| 4 | Anju AnilraoDhanke | Classification of viruses |
| 5 | Anuja Uday Nishan | Cultivation of viruses |
| 6 | Anuradha PadurangPinjari | Control of microorganism by high temperature |
| 7 | Anuradha Bagade | Control of microorganism by radiations |
| 8 | Arpita NandakishorBadwaik | Control of microorganism by filtration |
| 9 | Asmita Sushil Shrirame | Control of microorganism by halogens |
| 10 | Diksha ShivdasDhanke | Control of microorganism by heavy metals |
| 11 | Diksha Walke | Gaseous sterilization |
| 12 | Gayatri G. Gulhane | Control of microorganism by physical agents |
| 13 | Gayatri Pradip Nikam | Control of microorganism by chemical agents |
| 14 | Gayatri P. Chandure | Components of computer system |
| 15 | KhushaliPundlikTarhekar | MS word |
| 16 | Krishna BrijmohanChandak | Internetuseful application |
| 17 | Nikita SunilraoSote | Creating emails |
| 18 | MrunalSantoshraoSawant | What are bio-pesticides? Give advantages over chemical pesticides. |
| 19 | PayalChaware | Tabulation and classification of data |
| 20 | PayalKamble | Explain morphology of viruses with suitable examples and diagram |
| 21 | Pratik V. Nagrikar | Describe LHT system of classification of viruses |
| 22 | Punam Prakash Meshram | Discuss cultivation of viruses by tissue culture method |
| 23 | PunamRamdasjiChakole | Explain lysogeny in details |
| 24 | Sahil Nilesh Bhoyar | Describe a different glycosidic linkages and draw structures of maltose and lactose |
| 25 | Sakshi DineshraoIngale | What are biofertilizers? Give examples and applications. |
| 26 | Sakshi Ganesh Thakare | Discuss cultivation of viruses by animal inoculation and chick embryo method |
| 27 | Sakshi Gopal Kale | Discuss moist and dry heat sterilization in detail |
| 28 | Sakshi Badhiye | What are vaccines? Give types and benefits of vaccines. |
| 29 | Samiksha GopalraoThakare | Describe antibiotics in details |
| 30 | Sanjana Naresh Wankhade | How amino acids are classified? Discuss concept of peptide bond |
| 31 | Sonali Anil Kalpande | Give out line of classification of lipids |
| 32 | SayaliGulhane | What is biodegradation? Explain in details |
| 33 | Sejal Rajesh Mothghare | Discus Watson and Crick model of DNA and explain its structure |
| 34 | Shital Kokate | What is biodegradation? Discuss importance of biodegradation in nature |
| 35 | Shivani Vasudev Akade | What are purines, pyrimidines, nucleosides and nucleotides? Illustrate with structures |
| 36 | Shreya Thakur | Explain the structure of mRNA |
| 37 | SnehalDineshraoDurge | Discuss tRNA in brief |
| 38 | Sankalp Malviya | Give out line of classification of amino acids |
| 39 | Tejas Sanjay Gawarle | What is bioleaching? Explain |
| 40 | Vaishnavi N. Sundarkar | Discuss ribosomal rRNA in details |
| 41 | Vaishnavi Pethe | Explain classification of monosaccharide with examples |
| 42 | VaidehiKhedekar | Explain different types of structures of protein |
| 43 | YadaviGawande | Describe various polysaccharides that you have studied |

(Dr. N.A.Sonune)
Concern Teacher

(Dr. Y. B. Gandole)
Principal

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DEPARTMENT OF MICROBIOLOGY

Date: 11/07/2021

## NOTICE

All the students B. Sc. Part I Semester - II Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted online on 17th July 2021 at 11.20 am. All Students must remain present for the test examination.

Unit for Test Examination: **Unit No. II Microbial control**

(Dr. N. A. Sonune)
Concern Teacher

(Dr. Y. B. Gandole)
Principal
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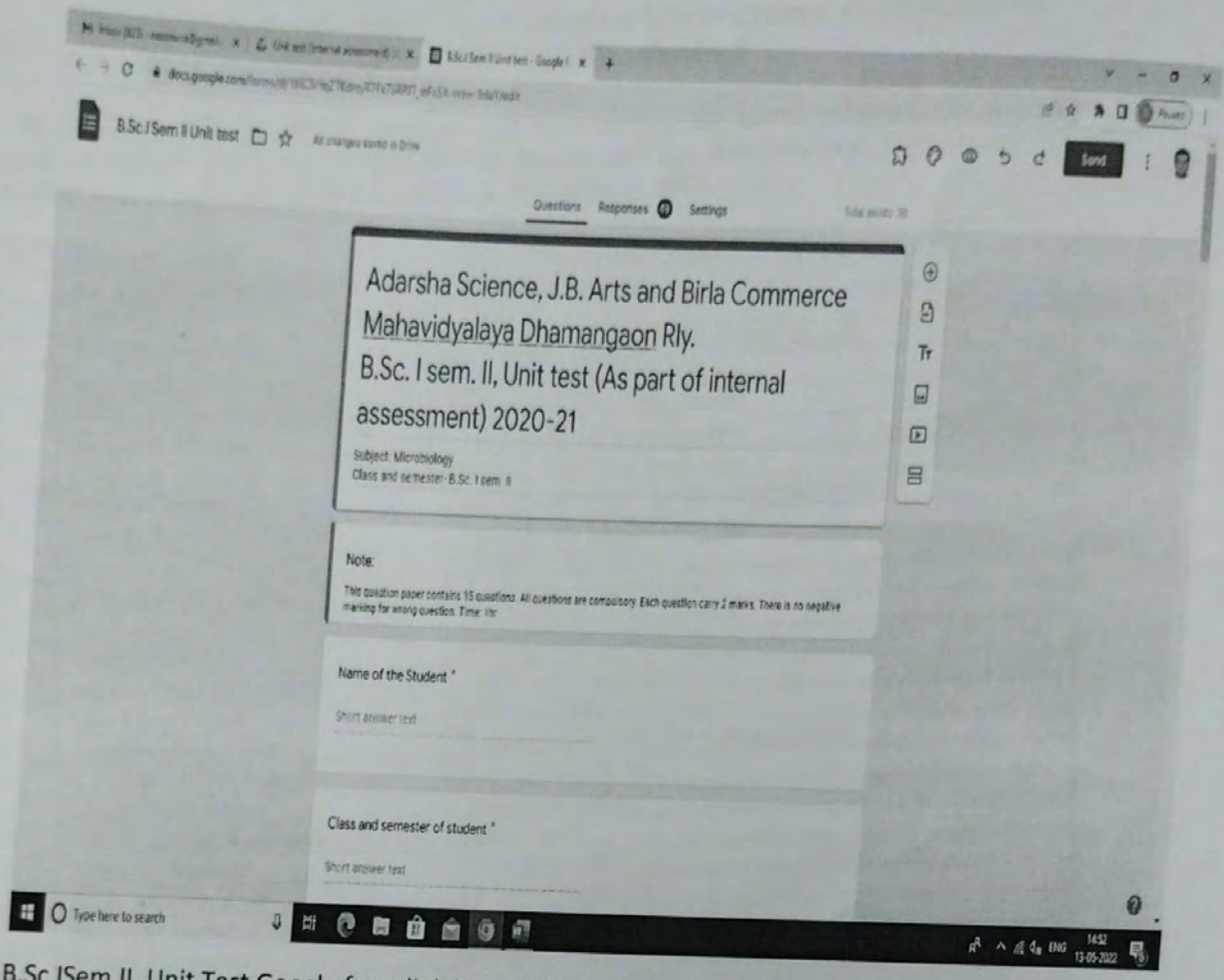
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**Class: B.Sc. I Sem II**
**Subject: Microbiology**
**Internal marks Summer-2021**

| Sr. No. | Name of the Student | Unit Test Score | Unit test marks (12) | Assignment (08 M) | Total marks (Out of 20) |
|---|---|---|---|---|---|
| 1 | AashumiKucheriya | 20 / 30 | 10 | 8 | 18 |
| 2 | Aditya Ahir | 26 / 30 | 12 | 8 | 20 |
| 3 | Akanksha Balukharbade | 26 / 30 | 12 | 8 | 20 |
| 4 | Anju AnilraoDhanke | 24 / 30 | 12 | 8 | 20 |
| 5 | Anuja Uday Nishan | 24 / 30 | 12 | 8 | 20 |
| 6 | Anuradha PadurangPinjari | 22 / 30 | 10 | 8 | 18 |
| 7 | Anuradha Prakash Bagade | 20 / 30 | 10 | 8 | 18 |
| 8 | Arpita NandakishorBadwaik | 26 / 30 | 12 | 8 | 20 |
| 9 | Asmita Sushil Shrirame | 26 / 30 | 12 | 8 | 20 |
| 10 | Diksha ShivdasDhanke | 26 / 30 | 12 | 8 | 20 |
| 11 | Diksha VijayaraoWalke | 26 / 30 | 12 | 8 | 20 |
| 12 | Gayatri P.Chandure | 26 / 30 | 12 | 8 | 20 |
| 13 | Gayatri GhanshyamraoGulhane | 28 / 30 | 12 | 8 | 20 |
| 14 | Gayatri Pradip Nikam | 26 / 30 | 12 | 8 | 20 |
| 15 | KhushaliPundlikraoTarhekar | 28 / 30 | 12 | 8 | 20 |
| 16 | Krishna BrijmohanChandak | 30 / 30 | 12 | 8 | 20 |
| 17 | Sonali Anil Kalpande | 26 / 30 | 12 | 8 | 20 |
| 18 | MrunalSantoshraoSawant | 28 / 30 | 12 | 8 | 20 |
| 19 | Nikita S. Sote | 26 / 30 | 12 | 8 | 20 |
| 20 | PayalChaware | 24 / 30 | 12 | 8 | 20 |
| 21 | PayalSuresh Kamble | 24 / 30 | 12 | 8 | 20 |
| 22 | Pratik Vijay Nagrikar | 24 / 30 | 12 | 8 | 20 |
| 23 | Punam Prakash Meshram | 26 / 30 | 12 | 8 | 20 |
| 24 | PunamRamdasjiChakole | 26 / 30 | 12 | 8 | 20 |
| 25 | Sahil N. Bhoyar | 24 / 30 | 12 | 8 | 20 |
| 26 | Sakshi Badhiye | 26 / 30 | 12 | 8 | 20 |
| 27 | Sakshi DineshraoIngale | 26 / 30 | 12 | 8 | 20 |
| 28 | Sakshi Ganesh Thakare | 26 / 30 | 12 | 8 | 20 |
| 29 | Sakshi Gopal Kale | 26 / 30 | 12 | 8 | 20 |
| 30 | Samiksha GopalraoThakare | 26 / 30 | 12 | 8 | 20 |
| 31 | Sanjana NareshraoWankhade | 26 / 30 | 12 | 8 | 20 |
| 32 | Sankalp Malviya | 22 / 30 | 10 | 8 | 18 |
| 33 | SayaliGulhane | 24 / 30 | 12 | 8 | 20 |
| 34 | SejalMotghare | 20 / 30 | 10 | 8 | 18 |
| 35 | Shital Kokate | 26 / 30 | 12 | 8 | 20 |
| 36 | Shivani Vasudev Akade | 26 / 30 | 12 | 8 | 20 |
| 37 | Shreya Arun Thakur | 24 / 30 | 12 | 8 | 20 |
| 38 | SnehalDineshraoDurge | 26 / 30 | 12 | 8 | 20 |
| 39 | TejasSanjayraoGawarle | 24 / 30 | 12 | 8 | 20 |
| 40 | VaidehiVilas Khedekar | 28 / 30 | 12 | 8 | 20 |
| 41 | Vaishnavi Narayan Sundarkar | 22 / 30 | 10 | 8 | 18 |
| 42 | Vaishnavi Prakash Pethe | 26 / 30 | 12 | 8 | 20 |
| 43 | Yadavi Gawande | 28 / 30 | 12 | 8 | 20 |

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**Department Of Microbiology**

**Notice** **Date: 05/02/2021**

All the students of B. Sc. Part II semester –III Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 28th February 2021.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Aastha LaxmanraoWasnik | Physical mutagens |
| 2 | AchalNagrikar | PCR |
| 3 | AkashataLokhande | Isolation of genomic DNA from bacteria |
| 4 | ApekshaShivdattaGarad | Mutation by acrydene dye |
| 5 | Ashwini pramodwankhade | Characters of genetic codes |
| 6 | BhagyashriWanjari | DNA replication mechanism |
| 7 | Chanchal Gawarle | Health benefits of probiotics |
| 8 | Diksha Choube | Induced mutation by ultraviolet radiations |
| 9 | Dinesh NarendrajiDagwar | Vectors used in gene cloning |
| 10 | Dineshwari Jitendra Shelar | Probiotic organisms |
| 11 | DivyaSunilraoChauragade | Restriction endonuclease |
| 12 | Gauri Ashok Budhe | Construction of gene library |
| 13 | Gauri Khandarkar | DNA probes in disease diagnosis |
| 14 | Gayatri PramodraoBante | Agarose gel electrophoresis |
| 15 | Isha Vijay Unone | DNA replication process |
| 16 | JanaviHemrajjiTitare | Isolation of plasmid DNA from bacteria |
| 17 | Kanchan Arvind Nehare | Recombinant insulin |
| 18 | Monali Nitin Bhure | Transgenic plants |
| 19 | Nikita Gajanan Karangale | DNA Ligase |
| 20 | Nikita R.Ghavade | DNA polymerase |
| 21 | Palak Avinash Raut | Chemical mutagens |
| 22 | Pallavi D. Golait | Hfr formation |
| 23 | Pallavi Chimurkar | Nuclease |
| 24 | PradnyaManikraoWasnik | Enzymes for splicing |
| 25 | Pratiksha G. Bhoyar | Plasmids as vectors |
| 26 | PratikshaParteki | Cosmids |
| 27 | PritiSultane | Vectors used in genetic engineering |
| 28 | Reena RameshraoKhandare | Mutation by X rays |
| 29 | Sakshi Anil Nikam | Mutation by UV rays |
| 30 | sakshiManojrao Shinde. | Dark repair mechanism |
| 31 | Sakshi Shrirame | Transcription |
| 32 | Sakshi Vitthalrao Pole | Enzymes involved in DNA replication |
| 33 | Samiksha Gajanan Thor | Induced mutation |
| 34 | SejalChoudhari | Spontaneous mutation |
| 35 | SejalSudeshraoArekar | Conjugation between F+ and F- cell |
| 36 | Shivani Bhalerao | Lac operon |
| 37 | Shraddha DattajiPinjari | Griffiths experiments on transformation |
| 38 | Shreya Vinod Kandalkar | Basic technique og genetic engineering |
| 39 | ShrutikaBhoyar | Transgenic plants |
| 40 | Shweta Kale | Mechanism of transformation |
| 41 | Siddhant R. Dhokane | Lederberg and Tatum experiment on conjugation |
| 42 | Sonal Pramod Parkhande | Spontaneous mutation |
| 43 | Vaishnavi L. kardikar | Mechanism of transduction |

(Dr. N.A.Sonune)

(Dr. Y. B. Gandole)
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DEPARTMENT OF MICROBIOLOGY

Date: 07/01/2021

## NOTICE

All the students B. Sc. Part II Semester - III Microbiology are hereby informed that, as a part of Internal Assessment, their seminar will be conducted online on 29th January 2021 at 12.10 pm. All Students must remain present for the seminar.

| S.N. | Name of Student | Seminar Topic |
|---|---|---|
| 1 | Aastha Laxmanrao Wasnik | Physical mutagens |
| 2 | AchalNagrikar | PCR |
| 3 | AkanshaLokhande | Isolation of genomic DNA from bacteria |
| 4 | AparnaShivdattaGarad | Mutation by acrydene dye |
| 5 | Ashwini pramodwanKhade | Characters of genetic codes |
| 6 | BhagyashriWanjari | DNA replication mechanism |
| 7 | Chanchal Gawarle | Health benefits of probiotics |
| 8 | Diksha Choube | Induced mutation by ultraviolet radiations |
| 9 | Dinesh NarendrajiDagwar | Vectors used in gene cloning |
| 10 | Dineshwari Jitendra Shelar | Probiotic organisms |
| 11 | DivyaSunilraoChauragade | Restriction endonuclease |
| 12 | Gauri Ashok Budhe | Construction of gene library |
| 13 | Gauri Khandurkar | DNA probes in disease dingnosis |
| 14 | Gayatri PramodraoBante | Agarose gel electrophoresis |
| 15 | Isha Vijay Unone | DNA replication process |
| 16 | JanaviHemrajiTitare | Isolation of plasmid DNA from bacteria |
| 17 | Kanchan Arvind Nehare | Recombinant insulin |
| 18 | Monali Nitin Bhure | Transgenic plants |
| 19 | Nikita Gajanan Karangale | DNA Ligase |
| 20 | Nikita R.Ghawade | DNA polymerase |
| 21 | Palak Avinash Raut | Chemical mutagens |
| 22 | Pallavi D. Golait | Hfr formation |
| 23 | Pallavi Chimurkar | Nuclease |
| 24 | PradnyaManikraoWasnik | Enzymes for splicing |
| 25 | Pratiksha G. Bhoyar | Plasmids as vectors |
| 26 | PratikshaPurteki | Cosmids |
| 27 | PritiSultane | Vectors used in genetic engineering |
| 28 | Reena RameshraoKhandare | Mutation by X rays |
| 29 | Sakshi Anil Nikam | Mutation by UV rays |
| 30 | sakshiManojrao Shinde. | Dark repair mechanism |
| 31 | Sakshi Shriram | Transcription |
| 32 | Sakshi Vitthalrao Pole | Enzymes involved in DNA replication |
| 33 | Samiksha Gajanan Thor | Induced mutation |
| 34 | SejalChoudhari | Spontaneous mutation |
| 35 | SejalSudeshraoArekar | Conjugation between F+ and F- cell |
| 36 | Shivani Bhalerao | Lac operon |
| 37 | Shraddha DattajiPinjari | Griffiths experiments on transformation |
| 38 | Shreya Vinod Kandulkar | Basic technique og genetic engineering |
| 39 | ShrutikaBhoyar | Transgenic plants |
| 40 | Shweta Kale | Mechanism of transformation |
| 41 | Siddhant R. Dhokane | Lederberg and Tatum experiment on conjugation |
| 42 | Sonal Pramod Parkhande | Spontaneous mutation |
| 43 | Vaishnavi L. kardikar | Mechanism of transduction |

(Dr. N. A. Somune)

(Dr. Y. B. Gandole)
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DEPARTMENT OF MICROBIOLOGY

Date: 02/12/2020

## NOTICE

All the students B. Sc. Part II Semester - III Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted online on 18 December 2020 at 12.10 pm. All Students must remain present for the test examination.

Unit For Test Examination: **Unit No. III-Genetic recombination**

(Dr. N. A. Sonune)

(Dr. Y. B. Gandole)
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Dhamangaon Rly.

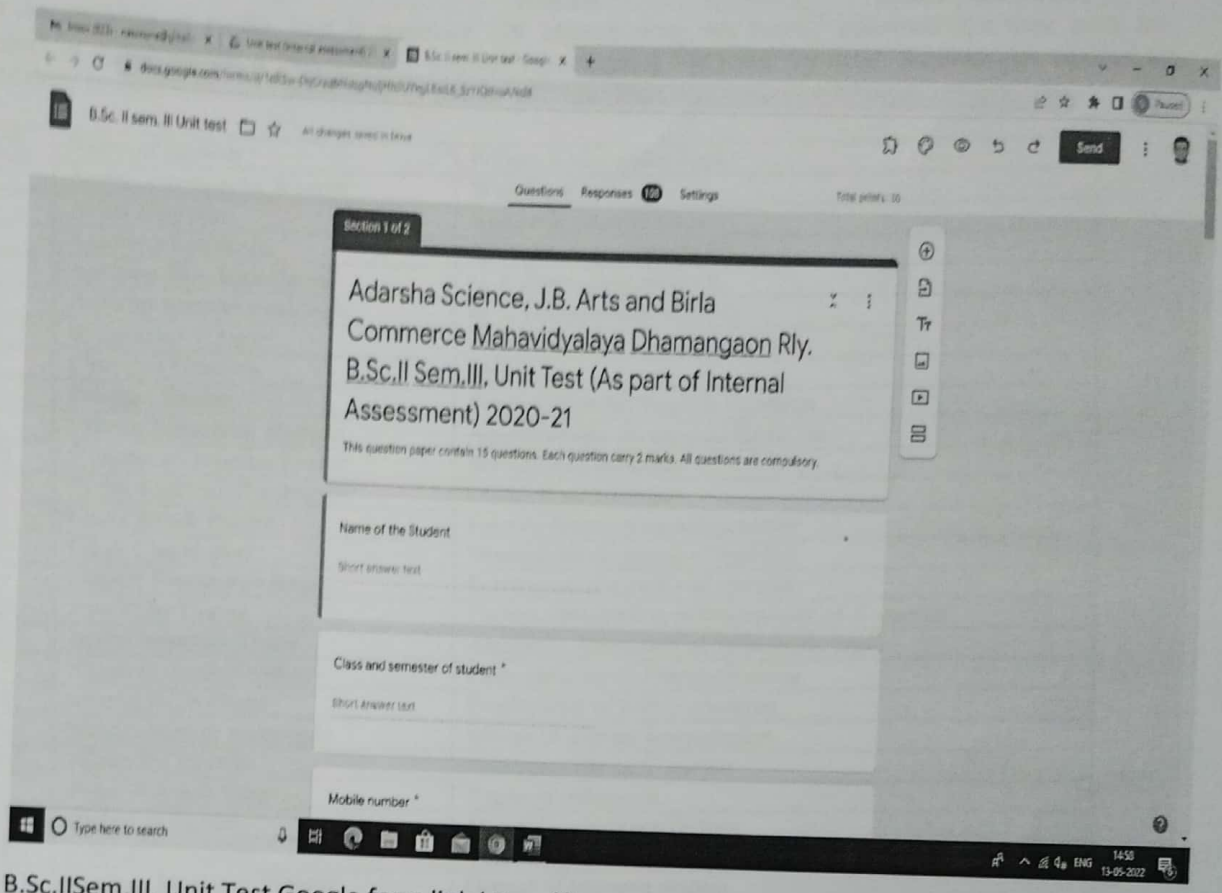
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**Adarsha Science, J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
**B.Sc.II Sem III Microbiology (Internal exam winter- 2020)**

| Sr.No. | Name of the Student | Roll no. | Unit test Score | Out of 10 M | Project Assignment (04M) | Seminar (06M) | Total marks |
|---|---|---|---|---|---|---|---|
| 1 | Aastha Laxmanrao Wasnik | 70552 | 28 / 30 | 10 | 04 | 06 | 20 |
| 2 | Achal Nagrikar | 70554 | 24 / 30 | 10 | 04 | 06 | 20 |
| 3 | Akashata Lokhande | 70558 | 28 / 30 | 10 | 04 | 06 | 20 |
| 4 | Apeksha Shivdatta Garad | 70566 | 28 / 30 | 10 | 04 | 06 | 20 |
| 5 | Ashwini Pramod Wankhade | 70569 | 28 / 30 | 10 | 04 | 06 | 20 |
| 6 | Bhagyashri Wanjari | 70571 | 24 / 30 | 10 | 04 | 06 | 20 |
| 7 | Chanchal Gawarle | 70575 | 28 / 30 | 10 | 04 | 06 | 20 |
| 8 | Diksha Choube | 70577 | 26 / 30 | 10 | 04 | 06 | 20 |
| 9 | Dinesh Narendraji Dagwar | 70578 | 28 / 30 | 10 | 04 | 06 | 20 |
| 10 | Dineshwari Jitendra Shelar | 70579 | 26 / 30 | 10 | 04 | 06 | 20 |
| 11 | Divya Sunilrao Chauragade | 70581 | 26 / 30 | 10 | 04 | 06 | 20 |
| 12 | Gauri Ashok Budhe | 70582 | 26 / 30 | 10 | 04 | 06 | 20 |
| 13 | Gauri Khandarkar | 70583 | 24 / 30 | 10 | 04 | 06 | 20 |
| 14 | Gayatri Pramodrao Bante | 70584 | 26 / 30 | 10 | 04 | 06 | 20 |
| 15 | Isha Vijay Unone | 70587 | 28 / 30 | 10 | 04 | 06 | 20 |
| 16 | Janavi Hemrajji Titare | 70588 | 28 / 30 | 10 | 04 | 06 | 20 |
| 17 | Kanchan Arvind Nehare | 70589 | 28 / 30 | 10 | 04 | 06 | 20 |
| 18 | Monali Nitin Bhure | 70597 | 24 / 30 | 10 | 04 | 06 | 20 |
| 19 | Nikita Gajanan Karangale | 70600 | 28 / 30 | 10 | 04 | 06 | 20 |
| 20 | Nikita R.Ghavade | 70601 | 24 / 30 | 10 | 04 | 06 | 20 |
| 21 | Palak Avinash Raut | 70605 | 28 / 30 | 10 | 04 | 06 | 20 |
| 22 | Pallavi D. Golait | 70606 | 26 / 30 | 10 | 04 | 06 | 20 |
| 23 | Pallavi Chimurkar | 70607 | 26 / 30 | 10 | 04 | 06 | 20 |
| 24 | Pradnya Manikrao Wasnik | 70611 | 28 / 30 | 10 | 04 | 06 | 20 |
| 25 | Pratiksha G. Bhoyar | 70619 | 26 / 30 | 10 | 04 | 06 | 20 |
| 26 | Pratiksha Parteki | 70620 | 26 / 30 | 10 | 04 | 06 | 20 |
| 27 | Priti Sultane | 70622 | 24 / 30 | 10 | 04 | 06 | 20 |
| 28 | Reena Rameshrao Khandare | 70625 | 28 / 30 | 10 | 04 | 06 | 20 |
| 29 | Sakshi Anil Nikam | 70628 | 26 / 30 | 10 | 04 | 06 | 20 |
| 30 | sakshi Manojrao Shinde. | 70631 | 24 / 30 | 10 | 04 | 06 | 20 |
| 31 | Sakshi Shrirame | 70633 | 28 / 30 | 10 | 04 | 06 | 20 |
| 32 | Sakshi Vitthalrao Pole | 70637 | 28 / 30 | 10 | 04 | 06 | 20 |
| 33 | Samiksha Gajanan Thor | 70638 | 26 / 30 | 10 | 04 | 06 | 20 |
| 34 | Sejal Choudhari | 70639 | 26 / 30 | 10 | 04 | 06 | 20 |
| 35 | Sejal Sudeshrao Arekar | 70640 | 28 / 30 | 10 | 04 | 06 | 20 |
| 36 | Shivani Bhalerao | 70642 | 30 / 30 | 10 | 04 | 06 | 20 |
| 37 | Shraddha Dattaji Pinjari | 70643 | 30 / 30 | 10 | 04 | 06 | 20 |
| 38 | Shreya Vinod Kandalkar | 70644 | 24 / 30 | 10 | 04 | 06 | 20 |
| 39 | Shrutika Bhoyar | 70646 | 28 / 30 | 10 | 04 | 06 | 20 |
| 40 | Shweta Kale | 70647 | 24 / 30 | 10 | 04 | 06 | 20 |
| 41 | Siddhant R. Dhokane | 70650 | 30 / 30 | 10 | 04 | 06 | 20 |
| 42 | Sonal Pramod Parkhande | 70651 | 28 / 30 | 10 | 04 | 06 | 20 |
| 43 | Vaishnavi L. kardikar | 70661 | 24 / 30 | 10 | 04 | 06 | 20 |

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**Department Of Microbiology**

**Notice** **Date: 08/07/2021**

All the students of B. Sc. Part II semester –IV Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 31th July 2021.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Aastha Laxmanrao Wasnik | Widal test |
| 2 | Achal Nagrikar | Antigenic determinants |
| 3 | Akashata Lokhande | Ig G (Immunoglobulin G) |
| 4 | Apeksha Shivdatta Garad | Ig A (Immunoglobulin A) |
| 5 | Ashwini pramod wankhade | Ig M (Immunoglobulin M) |
| 6 | Bhagyashri Wanjari | RPR Test |
| 7 | Chanchal Gawarle | ELISA test |
| 8 | Diksha Choube | Precipitation Serological Reaction |
| 9 | Dinesh Narendraji Dagwar | Agglutination Serological Reaction |
| 10 | Dineshwari Jitendra Shelar | Structure of antibody |
| 11 | Divya Sunilrao Chauragade | Monoclonal antibody |
| 12 | Gauri Ashok Budhe | Factors determining antigenecity |
| 13 | Gauri Khandarkar | Serological diagnosis of typhoid |
| 14 | Gayatri Pramodrao Bante | Serological diagnosis of syphilis |
| 15 | Isha Vijay Unone | Factors determining pathogenecity of *S. aureus* |
| 16 | Janavi Hemrajji Titare | Antigenic characters of *Salmonella typhi* |
| 17 | Kanchan Arvind Nehare | Pathogenecity of *Vibrio cholerae* |
| 18 | Monali Nitin Bhure | Prophylaxis of *Vibrio cholerae* |
| 19 | Nikita Gajanan Karangale | Modes of disease transmission |
| 20 | Nikita R.Ghavade | Pathogenecity of *S. aureus* |
| 21 | Palak Avinash Raut | Types of infections |
| 22 | Pallavi D. Golait | Microbial virulence factors |
| 23 | Pallavi Chimurkar | Control of communicable diseases |
| 24 | Pradnya Manikrao Wasnik | Organs of immune system |
| 25 | Pratiksha G. Bhoyar | Cells of immune system |
| 26 | Pratiksha Parteki | Complement fixation test |
| 27 | Priti Sultane | Acquired active immunity |
| 28 | Reena Rameshrao Khandare | Acquired passive immunity |
| 29 | Sakshi Anil Nikam | Hypersensitivity |
| 30 | sakshi Manojrao Shinde. | Pathogenic ity of *Mycobacterium tuberculosis* |
| 31 | Sakshi Shrirame | Pathogenecity of *Treponema pallidum* |
| 32 | Sakshi Vitthalrao Pole | Pathogenecity of *Clostridium tetani* |
| 33 | Samiksha Gajanan Thor | Control of AIDS |
| 34 | Sejal Choudhari | Pathogenic aspects of *Candida albicans* |
| 35 | Sejal Sudeshrao Arekar | Pathogenic aspects of *Entamoeba histolytica* |
| 36 | Shivani Bhalerao | Rabies |
| 37 | Shraddha Dattaji Pinjari | Antifungal agents (mode of action & applications) |
| 38 | Shreya Vinod Kandalkar | Antiviral agents (mode of action & applications) |
| 39 | Shrutika Bhoyar | Polio – Types, Causes & Symptoms |
| 40 | Shweta Kale | Polio – Prevention |
| 41 | Siddhant R. Dhokane | Polio – Global Eradication Initiative |
| 42 | Sonal Pramod Parkhande | Monoclonal antibodies |
| 43 | Vaishnavi L. kardikar | Innate immunity |

(Dr. N.A.Sonune)

(Dr. Y. B. Gandole)
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DEPARTMENT OF MICROBIOLOGY

Date: 08/07/2021

**NOTICE**

All the students B. Sc. Part II Semester - IV Microbiology are hereby informed that, as a part of Internal Assessment, their seminar will be conducted online on 24th July 2021 at 12.10 pm. All Students must remain present for the seminar.

| S.N. | Name of Student | Seminar Topic |
|---|---|---|
| 1 | Aastha Laxmanrao Wasnik | Widal test |
| 2 | Achal Nagrikar | Antigenic determinants |
| 3 | Akashata Lokhande | Ig G (Immunoglobulin G) |
| 4 | Apeksha Shivdatta Garad | Ig A (Immunoglobulin A) |
| 5 | Ashwini pramod wankhade | Ig M (Immunoglobulin M) |
| 6 | Bhagyashri Wanjari | RPR Test |
| 7 | Chanchal Gawarle | ELISA test |
| 8 | Diksha Choube | Precipitation Serological Reaction |
| 9 | Dinesh Narendraji Dagwar | Agglutination Serological Reaction |
| 10 | Dineshwari Jitendra Shelar | Structure of antibody |
| 11 | Divya Sunilrao Chauragade | Monoclonal antibody |
| 12 | Gauri Ashok Budhe | Factors determining antigenecity |
| 13 | Gauri Khandarkar | Serological diagnosis of typhoid |
| 14 | Gayatri Pramodrao Bante | Serological diagnosis of syphilis |
| 15 | Isha Vijay Unone | Factors determining pathogenecity of *S. aureus* |
| 16 | Janavi Hemrajji Titare | Antigenic characters of *Salmonella typhi* |
| 17 | Kanchan Arvind Nehare | Pathogenecity of *Vibrio cholerae* |
| 18 | Monali Nitin Bhure | Prophylaxis of *Vibrio cholerae* |
| 19 | Nikita Gajanan Karangale | Modes of disease transmission |
| 20 | Nikita R.Ghavade | Pathogenecity of *S. aureus* |
| 21 | Palak Avinash Raut | Types of infections |
| 22 | Pallavi D. Golait | Microbial virulence factors |
| 23 | Pallavi Chimurkar | Control of communicable diseases |
| 24 | Pradnya Manikrao Wasnik | Organs of immune system |
| 25 | Pratiksha G. Bhoyar | Cells of immune system |
| 26 | Pratiksha Parteki | Complement fixation test |
| 27 | Priti Sultane | Acquired active immunity |
| 28 | Reena Rameshrao Khandare | Acquired passive immunity |
| 29 | Sakshi Anil Nikam | Hypersensitivity |
| 30 | sakshi Manojrao Shinde. | Pathogenic ity of *Mycobacterium tuberculosis* |
| 31 | Sakshi Shrirame | Pathogenecity of *Treponema pallidum* |
| 32 | Sakshi Vitthalrao Pole | Pathogenecity of *Clostridium tetani* |
| 33 | Samiksha Gajanan Thor | Control of AIDS |
| 34 | Sejal Choudhari | Pathogenic aspects of *Candida albicans* |
| 35 | Sejal Sudeshrao Arekar | Pathogenic aspects of *Entamoeba histolytica* |
| 36 | Shivani Bhalerao | Rabies |
| 37 | Shraddha Dattaji Pinjari | Antifungal agents (mode of action & applications) |
| 38 | Shreya Vinod Kandalkar | Antiviral agents (mode of action & applications) |
| 39 | Shrutika Bhoyar | Polio – Types, Causes & Symptoms |
| 40 | Shweta Kale | Polio – Prevention |
| 41 | Siddhant R. Dhokane | Polio – Global Eradication Initiative |
| 42 | Sonal Pramod Parkhande | Monoclonal antibodies |
| 43 | Vaishnavi L. kardikar | Innate immunity |

(Dr. N. A. Sonune)

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DEPARTMENT OF MICROBIOLOGY

Date: 08/07/2021

## NOTICE

All the students B. Sc. Part II Semester - IV Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted online on 17th July 2021 at 12.10 pm. All Students must remain present for the test examination.

Unit For Test Examination: **Unit No. III Serology**

(Dr. N. A. Sonune)
Concern Teacher

(Dr. Y. B. Gandole)
Principal
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

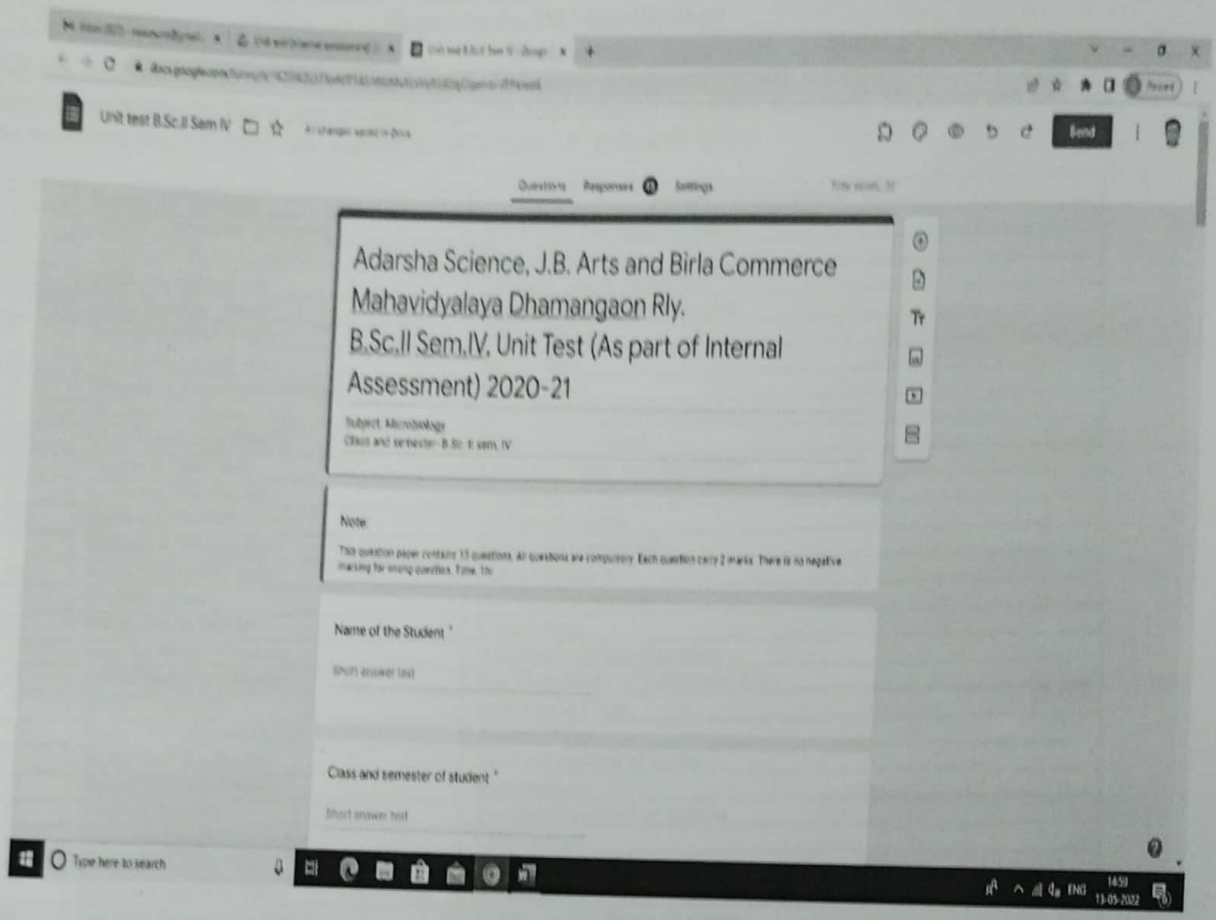
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**Class: B.Sc. II Sem IV**
**Subject: Microbiology**
**Internal marks Summer-2021**

| Sr. No. | Name of the Student | Unit test Score | Unit test mark (10 M) | Project Assignment (4 M) | Seminar (6 M) | Total marks (20 M) |
|---|---|---|---|---|---|---|
| 1 | AchalNagrikar | 28 / 30 | 10 | 4 | 6 | 20 |
| 2 | AkshataLokhande. | 20 / 30 | 7 | 4 | 6 | 17 |
| 3 | Ashwini Pramod Wankhade | 24 / 30 | 10 | 4 | 6 | 20 |
| 4 | BhagyashriWanjari | 28 / 30 | 10 | 4 | 6 | 20 |
| 5 | Chanchal Gajendra Gawarle | 22 / 30 | 7 | 4 | 6 | 17 |
| 6 | Diksha Shashikant Choube | 24 / 30 | 10 | 4 | 6 | 20 |
| 7 | Dinesh Narendra Dagwar | 28 / 30 | 10 | 4 | 6 | 20 |
| 8 | Dineshwari Jitendra Shelar | 22 / 30 | 7 | 4 | 6 | 17 |
| 9 | Gauri Ashok Budhe | 26 / 30 | 10 | 4 | 6 | 20 |
| 10 | Gauri Dinesh Khandarkar | 20 / 30 | 7 | 4 | 6 | 17 |
| 11 | Gayatri PramodraoBante | 24 / 30 | 10 | 4 | 6 | 20 |
| 12 | Isha Vijay Unone | 28 / 30 | 10 | 4 | 6 | 20 |
| 13 | JanhaviHemrajjiTitare | 20 / 30 | 7 | 4 | 6 | 17 |
| 14 | ShrutikaA.Bhoyar | 26 / 30 | 10 | 4 | 6 | 20 |
| 15 | DivyaS.Chauragade | 26 / 30 | 10 | 4 | 6 | 20 |
| 16 | Kanchan Arvind Nyahare | 22 / 30 | 7 | 4 | 6 | 17 |
| 17 | Sakshi Manoj Shinde | 28 / 30 | 10 | 4 | 6 | 20 |
| 18 | SejalSudeshraoArekar | 28 / 30 | 10 | 4 | 6 | 20 |
| 19 | Aastha LaxmanraoWasnik | 30 / 30 | 10 | 4 | 6 | 20 |
| 20 | ApekshaShivdattaGarad | 28 / 30 | 10 | 4 | 6 | 20 |
| 21 | Monali Nitin Bhure | 20 / 30 | 7 | 4 | 6 | 17 |
| 22 | Nikita Gajanan Karangale | 22 / 30 | 7 | 4 | 6 | 17 |
| 23 | Nikita R. Ghavade | 26 / 30 | 10 | 4 | 6 | 20 |
| 24 | Palak Avinash Raut | 20 / 30 | 7 | 4 | 6 | 17 |
| 25 | Pallavi D. Golait | 20 / 30 | 7 | 4 | 6 | 17 |
| 26 | Pallavi Gajanan Chimurkar | 24 / 30 | 10 | 4 | 6 | 20 |
| 27 | PratikshaGajanan Bhoyar | 24 / 30 | 10 | 4 | 6 | 20 |
| 28 | PratikshaParteki | 22 / 30 | 7 | 4 | 6 | 17 |
| 29 | PritiShankarraoSultane | 26 / 30 | 10 | 4 | 6 | 20 |
| 30 | Reena RameshraoKhandare | 28 / 30 | 10 | 4 | 6 | 20 |
| 31 | Sakshi Anil Nikam | 28 / 30 | 10 | 4 | 6 | 20 |
| 32 | Sakshi Rajendra Shrirame | 20 / 30 | 7 | 4 | 6 | 17 |
| 33 | Sakshi Vitthalrao Pole | 26 / 30 | 10 | 4 | 6 | 20 |
| 34 | Samiksha Gajanan Thor | 28 / 30 | 10 | 4 | 6 | 20 |
| 35 | SejalBabanraoChoudhari | 22 / 30 | 7 | 4 | 6 | 17 |
| 36 | Shivani Raju Bhalerao | 24 / 30 | 10 | 4 | 6 | 20 |
| 37 | Shraddha DattajiPinjari | 28 / 30 | 10 | 4 | 6 | 20 |
| 38 | Shreya Vinod Kandalkar | 22 / 30 | 7 | 4 | 6 | 17 |
| 39 | Shweta BrahmanandKale | 24 / 30 | 10 | 4 | 6 | 20 |
| 40 | Siddhant R.Dhokane | 28 / 30 | 10 | 4 | 6 | 20 |
| 41 | SonalPramod Parkhande | 22 / 30 | 7 | 4 | 6 | 17 |
| 42 | Vaishnavi Laxman Kardikar | 28 / 30 | 10 | 4 | 6 | 20 |
| 43 | PradnyaWasnik | 22 / 30 | 10 | 4 | 6 | 20 |

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**Department Of Microbiology**

**Notice** **Date: 05/02/2021**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 28th February 2021.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Adarsh TribhuwanUpadhayay | Symbiotic Nitrogen Fixation |
| 2 | Aishwarya Vinod Shastrakar | Bioleaching |
| 3 | AkshayRanjitrao Ingle | Isotopic Tracer technique |
| 4 | Anjali Narayan Funde | Biodegradation of pesticides |
| 5 | Aparna Shridhar Tarale | Air sanitation |
| 6 | Apurva MarotraoPawar | Septic tank |
| 7 | BhagyashriSureshraoKasturkar | Imhoff tank |
| 8 | Bhavisha D. Dhandhukiya | Biological control of insects |
| 9 | DivyaPundlikrawNikhade | Biomedical wastes |
| 10 | Gaurav R. Meshram | Drinking water standard (BIS) |
| 11 | HarshalAnilraoNarode | Sampling of Air |
| 12 | HarshaliMarotraoShrirame | IR Spectroscopy |
| 13 | Kallyani R. Saundarkar | Paper electrophoresis |
| 14 | Kartik Sanjay Deogade | Bioremediation |
| 15 | KomalVirulkar | Gel electrophoresis |
| 16 | Mahak Satish Mokati | Composting |
| 17 | Manisha Ramesh Himane | Anaerobic sludge digestion |
| 18 | MrunalSanjayraoDhemre | Biodegradation of Polythene bags |
| 19 | Neha D. Bedurkar | Rapid sand Filter |
| 20 | Nikita SukhadevraoDighade | Air pollution |
| 21 | Niyati Sunil Kucheriya | Biodeterioration of wood |
| 22 | Papiha Ravindra Dable | Biofertilizers |
| 23 | Prachi R. Bansod | Biological control of insects |
| 24 | PranitaNarayanraoAmbatkar | Chlorination |
| 25 | PranjaliPravinraoTitare | Water Pollution |
| 26 | PratikshaKishorrao Vakil | Antibacterial effects of garlic |
| 27 | Pratiksha Rameshwar Bhoyar | Antibacterial effects of ginger |
| 28 | Puja SurendraraoAmbadare | Antimicrobial effects of Tulsi |
| 29 | PurveshChandak | Paper Chromatography |
| 30 | PurveshKanere | UV Spectroscopy |
| 31 | Radhika R. Raut | Nonsymbiotic Nitrogen Fixation |
| 32 | RanuSonone | Thin layer Chromatography |
| 33 | Renuka Pradip Bhusari | Humus formation |
| 34 | Renuka Satish Borkar | Trickling filter |
| 35 | Rupali Bhskarrav Talan | Activated sludge process |
| 36 | RushileshDaware | Oxidation pond |
| 37 | Sakshi Rajesh Raut | Antibacterial effects of clove oil |
| 38 | Sakshi Vasantrao Rathod | Rapid sand filter |
| 39 | Samruddhi Sukhdev Dongare | Biogas production |
| 40 | Sana Afreen Shakeel Ahmad | Chemical oxygen demand(COD) |
| 41 | Saurav PadmakarGadling | Antibacterial effect of Cow urine on bacteria |
| 42 | Shraddha Arvind Garud | Decomposition of plant and animal residues in soil |
| 43 | SnehalMasram | Atmosphere and its layers |
| 44 | Unnati Harish Athawale | Mechanism of nitrogen fixation |
| 45 | Vaishali Gajananrao Patil | Antibacterial effects of neem extract |
| 46 | Vaishnavi Naresh Gupta | Antibacterial effects of honey |
| 47 | Vaishnavi Kokate | Antibacterial effects of turmeric |
| 48 | Vaishnavi Vilas Gulhane | Antibacterial effects of spices |
| 49 | Wrushali Rameshwar Malwar | BOD (Biochemical oxygen demand) |

(Dr. N.A.Sonune)

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**Department Of Microbiology**

**Notice** **Date: 05/02/2021**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 28th February 2021.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
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| 2 | Aishwarya Vinod Shastrakar | Bioleaching |
| 3 | AkshayRanjitrao Ingle | Isotopic Tracer technique |
| 4 | Anjali Narayan Funde | Biodegradation of pesticides |
| 5 | Aparna Shridhar Tarale | Air sanitation |
| 6 | Apurva MarotraoPawar | Septic tank |
| 7 | BhagyashriSureshraoKasturkar | Imhoff tank |
| 8 | Bhavisha D. Dhandhukiya | Biological control of insects |
| 9 | DivyaPundlikrawNikhade | Biomedical wastes |
| 10 | Gaurav R. Meshram | Drinking water standard (BIS) |
| 11 | HarshalAnilraoNarode | Sampling of Air |
| 12 | HarshaliMarotraoShrirame | IR Spectroscopy |
| 13 | Kallyani R. Saundarkar | Paper electrophoresis |
| 14 | Kartik Sanjay Deogade | Bioremediation |
| 15 | KomalVirulkar | Gel electrophoresis |
| 16 | Mahak Satish Mokati | Composting |
| 17 | Manisha Ramesh Himane | Anaerobic sludge digestion |
| 18 | MrunalSanjayraoDhemre | Biodegradation of Polythene bags |
| 19 | Neha D. Bedurkar | Rapid sand Filter |
| 20 | Nikita SukhadevraoDighade | Air pollution |
| 21 | Niyati Sunil Kucheriya | Biodeterioration of wood |
| 22 | Papiha Ravindra Dable | Biofertilizers |
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| 27 | Pratiksha Rameshwar Bhoyar | Antibacterial effects of ginger |
| 28 | Puja SurendraraoAmbadare | Antimicrobial effects of Tulsi |
| 29 | PurveshChandak | Paper Chromatography |
| 30 | PurveshKanere | UV Spectroscopy |
| 31 | Radhika R. Raut | Nonsymbiotic Nitrogen Fixation |
| 32 | RanuSonone | Thin layer Chromatography |
| 33 | Renuka Pradip Bhusari | Humus formation |
| 34 | Renuka Satish Borkar | Trickling filter |
| 35 | Rupali Bhskarrav Talan | Activated sludge process |
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DEPARTMENT OF MICROBIOLOGY

Date: 05/02/2021

**NOTICE**

All the students B. Sc. Part III Semester - V Microbiology are hereby informed that, as a part of Internal Assessment, their seminar will be conducted online on 22nd February at 1.15 pm. All Students must remain present for the seminar.

| S.N. | Name of Student | Seminar Topic |
|---|---|---|
| 1 | Adarsh TribhuwanUpadhayay | Symbiotic Nitrogen Fixation |
| 2 | Aishwarya Vinod Shastrakar | Bioleaching |
| 3 | AkshayRanjitraoIngle | Isotopic Tracer technique |
| 4 | Anjali Narayan Funde | Biodegradation of pesticides |
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| 8 | Bhavisha D.Dhandhukiya | Biological control of insects |
| 9 | DivyaPundlikrawNikhade | Biomedical wastes |
| 10 | Gaurav R.Meshram | Drinking water standard (BIS) |
| 11 | HarshalAnilraoNarode | Sampling of Air |
| 12 | HarshaliMarotraoShrirame | IR Spectroscopy |
| 13 | Kallyani R.Saundarkar | Paper electrophoresis |
| 14 | Kartik Sanjay Deogade | Bioremediation |
| 15 | KomalVirulkar | Gel electrophoresis |
| 16 | Mahak Satish Mokati | Composting |
| 17 | Manisha RameshHimane | Anaerobic sludge digestion |
| 18 | MrunalSanjayraoDhemre | Biodegradation of Polythene bags |
| 19 | Neha D.Bedurkar | Rapid sand Filter |
| 20 | Nikita SukhadevraoDighade | Air pollution |
| 21 | Niyati Sunil Kucheriya | Biodeterioration of wood |
| 22 | Papiha Ravindra Dable | Biofertilizers |
| 23 | Prachi R.Bansod | Biological control of insects |
| 24 | PranitaNarayanraoAmbatkar | Chlorination |
| 25 | PranjaliPravinraoTitare | Water Pollution |
| 26 | PratikshaKishorraoVakil | Antibacterial effects of garlic |
| 27 | Pratiksha Rameshwar Bhoyar | Antibacterial effects of ginger |
| 28 | Puja SurendraraoAmbadare | Antimicrobial effects of Tulsi |
| 29 | PurveshChandak | Paper Chromatography |
| 30 | PurveshKanere | UV Spectroscopy |
| 31 | Radhika R. Raut | Nonsymbiotic Nitrogen Fixation |
| 32 | RanuSonone | Thin layer Chromatography |
| 33 | Renuka Pradip Bhusari | Humus formation |
| 34 | Renuka Satish Borkar | Trickling filter |
| 35 | Rupali Bhskarrav Talan | Activated sludge process |
| 36 | RushileshDaware | Oxidation pond |
| 37 | Sakshi Rajesh Raut | Antibacterial effects of clove oil |
| 38 | Sakshi Vasantrao Rathod | Rapid sand filter |
| 39 | SamruddhiSukhdev Dongare | Biogas production |
| 40 | Sana Afreen Shakeel Ahmad | Chemical oxygen demand(COD) |
| 41 | Saurav PadmakarGadling | Antibacterial effect of Cow urine on bacteria |
| 42 | Shraddha Arvind Garud | Decomposition of plant and animal residues in soil |
| 43 | SnehalMasram | Atmosphere and its layers |
| 44 | Unnati Harish Athawale | Mechanism of nitrogen fixation |
| 45 | Vaishali GajananraoPatil | Antibacterial effects of neem extract |
| 46 | Vaishnavi Naresh Gupta | Antibacterial effects of honey |
| 47 | Vaishnavi Kokate | Antibacterial effects of turmeric |
| 48 | Vaishnavi Vilas Gulhane | Antibacterial effects of spices |
| 49 | Wrushali Rameshwar Malwar | BOD (Biochemical oxygen demand) |

(Dr. N. A. Sonune)

(Dr. Y. B. Gandole)
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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 02/12/2020

## NOTICE

All the students B. Sc. Part III Semester - V Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted online on 16th December 2020 at 11.20 am. All Students must remain present for the test examination.

Unit For Test Examination: **Unit No. II- Soil Microbiology and Unit No. III- Water Microbiology**

(Dr. N. A. Sonune)

(Dr. Y. B. Gandole)
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**Adarsha Science, J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
**B.Sc.III Sem V Microbiology (Internal exam- 2020)**

| Sr.No. | Student name | Roll no. | Unit test marks | Unit test marks (10) | Project (4 M) | Seminar (6M) | Total marks |
|---|---|---|---|---|---|---|---|
| 1 | Adarsh Upadhayay | 70662 | 30 / 30 | 10 | 04 | 06 | 20 |
| 2 | Aishwarya Vinod Shastrakar | 70664 | 28 / 30 | 10 | 04 | 06 | 20 |
| 3 | Akshay Ingle | 70668 | 24 / 30 | 10 | 04 | 06 | 20 |
| 4 | Anjali Funde | 70672 | 30 / 30 | 10 | 04 | 06 | 20 |
| 5 | Aparna Tarale | 70674 | 30 / 30 | 10 | 04 | 06 | 20 |
| 6 | Apurva Marotrao Pawar | 70675 | 30 / 30 | 10 | 04 | 06 | 20 |
| 7 | Bhagyashri S. Kasturkar | 70681 | 26 / 30 | 10 | 04 | 06 | 20 |
| 8 | Bhavisha D Dhandhukiya | 70682 | 26 / 30 | 10 | 04 | 06 | 20 |
| 9 | Divya Nikhade | 70696 | 30 / 30 | 10 | 04 | 06 | 20 |
| 10 | Gaurav Meshram | 70686 | 30 / 30 | 10 | 04 | 06 | 20 |
| 11 | Harshal Narode | 70687 | 26 / 30 | 10 | 04 | 06 | 20 |
| 12 | Harshali Marotrao Shrirame | 70697 | 24 / 30 | 10 | 04 | 06 | 20 |
| 13 | Kallyani R. Saundarkar | 70692 | 24 / 30 | 10 | 04 | 06 | 20 |
| 14 | Kartik Devgade | 70694 | 30 / 30 | 10 | 04 | 06 | 20 |
| 15 | Komal Virulkar | 70704 | 30 / 30 | 10 | 04 | 06 | 20 |
| 16 | Mahak Satish Mokati | 70705 | 30 / 30 | 10 | 04 | 06 | 20 |
| 17 | Manisha Rameshrao Himane | 70727 | 28 / 30 | 10 | 04 | 06 | 20 |
| 18 | Mrunal S. Dhemre | 70729 | 30 / 30 | 10 | 04 | 06 | 20 |
| 19 | Neha D. Bedurkar | 70730 | 30 / 30 | 10 | 04 | 06 | 20 |
| 20 | Nikita Dighade | 70732 | 28 / 30 | 10 | 04 | 06 | 20 |
| 21 | Niyati S. Kucheriya | 70733 | 28 / 30 | 10 | 04 | 06 | 20 |
| 22 | Pachi R. Bansod | 70738 | 24 / 30 | 10 | 04 | 06 | 20 |
| 23 | Papiha Ravindra Dable | 70734 | 30 / 30 | 10 | 04 | 06 | 20 |
| 24 | Pranita Naraynraon Ambatkar | 70707 | 24 / 30 | 10 | 04 | 06 | 20 |
| 25 | Pranjali Pravinrao Titare | 70741 | 28 / 30 | 10 | 04 | 06 | 20 |
| 26 | Pratiksha Rameshwar Bhoyar | 70743 | 30 / 30 | 10 | 04 | 06 | 20 |
| 27 | Pratiksha Vakil | 70742 | 30 / 30 | 10 | 04 | 06 | 20 |
| 28 | Puja Surendrarao Ambadare | 70709 | 30 / 30 | 10 | 04 | 06 | 20 |
| 29 | Purvesh Chandak | 70748 | 30 / 30 | 10 | 04 | 06 | 20 |
| 30 | Purvesh Kanere | 70747 | 30 / 30 | 10 | 04 | 06 | 20 |
| 31 | Radhika R. Raut | 70749 | 20 / 30 | 10 | 04 | 06 | 20 |
| 32 | Ranu Sonone | 70752 | 28 / 30 | 10 | 04 | 06 | 20 |
| 33 | Renuka Bhusari | 70753 | 26 / 30 | 10 | 04 | 06 | 20 |
| 34 | Renuka Borkar | 70754 | 30 / 30 | 10 | 04 | 06 | 20 |
| 35 | Rupali Bhskarrav Talan | 70711 | 30 / 30 | 10 | 04 | 06 | 20 |
| 36 | Rushikesh Narendra Daware | 70760 | 30 / 30 | 10 | 04 | 06 | 20 |
| 37 | Sakshi Rajesh Raut | 70714 | 30 / 30 | 10 | 04 | 06 | 20 |
| 38 | Sakshi V. Rathod | 70715 | 30 / 30 | 10 | 04 | 06 | 20 |
| 39 | Samruddhi Sukhdev Dongare | 70765 | 22 / 30 | 10 | 04 | 06 | 20 |
| 40 | Sana Afreen Shakeel Ahmad | 70766 | 30 / 30 | 10 | 04 | 06 | 20 |
| 41 | Saurav Gadling | 70770 | 30 / 30 | 10 | 04 | 06 | 20 |
| 42 | Shraddha A. Garud | 70773 | 30 / 30 | 10 | 04 | 06 | 20 |
| 43 | Snehal S. Masram | 70718 | 30 / 30 | 10 | 04 | 06 | 20 |
| 44 | Unnati H.Athawale | 70784 | 30 / 30 | 10 | 04 | 06 | 20 |
| 45 | Vaishali Gajananrao Patil | 70720 | 30 / 30 | 10 | 04 | 06 | 20 |
| 46 | Vaishnavi N. Kokate | 70786 | 30 / 30 | 10 | 04 | 06 | 20 |
| 47 | Vaishnavi Naresh Gupta | 70722 | 30 / 30 | 10 | 04 | 06 | 20 |
| 48 | Vaishnavi Vilas Gulhane | 70787 | 30 / 30 | 10 | 04 | 06 | 20 |
| 49 | Wrushali Rameshwar Malwar | 70791 | 24 / 30 | 10 | 04 | 06 | 20 |

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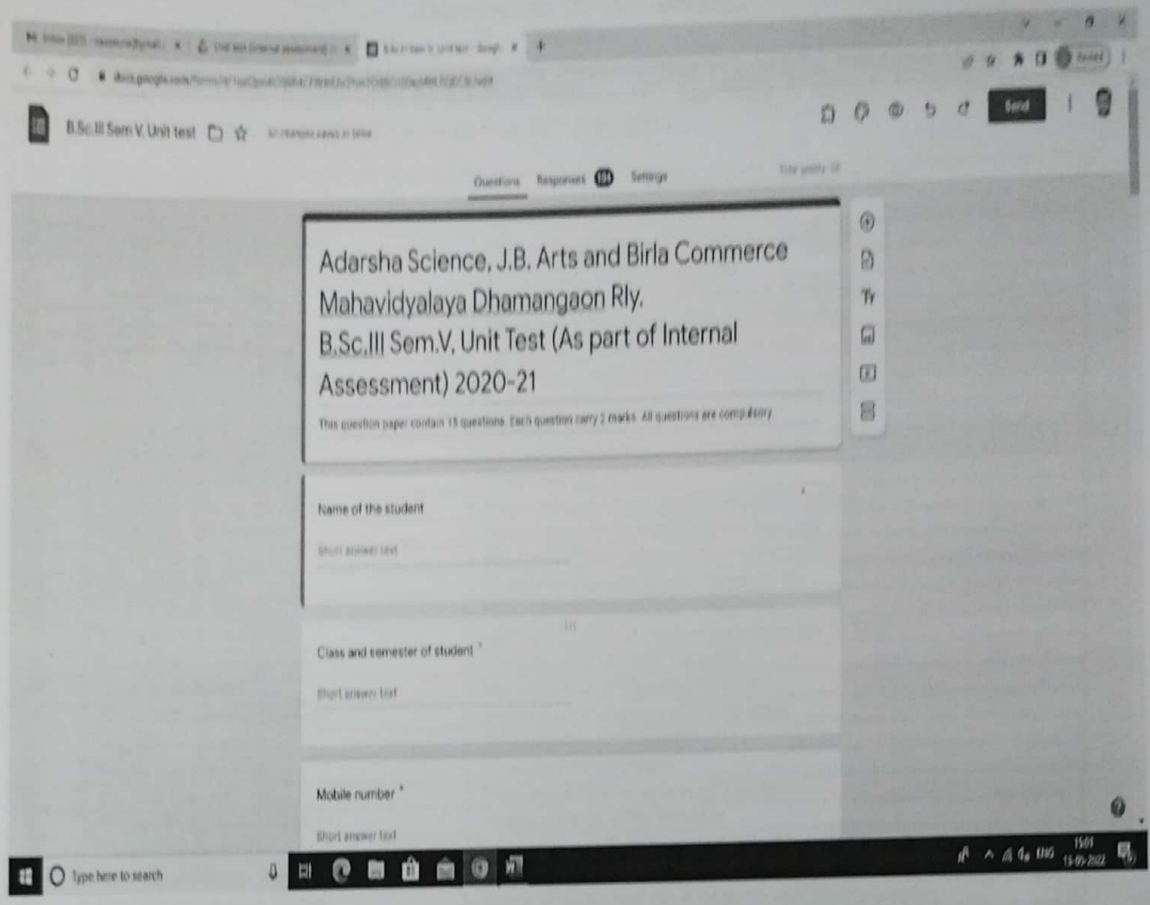
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**Adarsha Science, J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
**B.Sc.III Sem V Microbiology (Internal exam- 2020)**

| Sr.No | Student name | Roll no. | Unit test marks | Unit test marks (10) | Project (4/30) | Seminar (6M) | Total marks |
|---|---|---|---|---|---|---|---|
| 1 | Adarsh Upadhayay | 70662 | 30 / 30 | 10 | 04 | 06 | 20 |
| 2 | Aishwarya Vinod Shastrakar | 70664 | 28 / 30 | 10 | 04 | 06 | 20 |
| 3 | Akshay Ingle | 70668 | 24 / 30 | 10 | 04 | 06 | 20 |
| 4 | Anjali Funde | 70672 | 30 / 30 | 10 | 04 | 06 | 20 |
| 5 | Aparna Tarale | 70674 | 30 / 30 | 10 | 04 | 06 | 20 |
| 6 | Apurva Marotrao Pawar | 70675 | 30 / 30 | 10 | 04 | 06 | 20 |
| 7 | Bhagyashri S. Kasturkar | 70681 | 26 / 30 | 10 | 04 | 06 | 20 |
| 8 | Bhavisha D Dhandhukiya | 70682 | 26 / 30 | 10 | 04 | 06 | 20 |
| 9 | Divya Nikhade | 70696 | 30 / 30 | 10 | 04 | 06 | 20 |
| 10 | Gaurav Meshram | 70686 | 30 / 30 | 10 | 04 | 06 | 20 |
| 11 | Harshal Narode | 70687 | 26 / 30 | 10 | 04 | 06 | 20 |
| 12 | Harshali Marotrao Shriramе | 70697 | 24 / 30 | 10 | 04 | 06 | 20 |
| 13 | Kallyani R. Saundarkar | 70692 | 24 / 30 | 10 | 04 | 06 | 20 |
| 14 | Kartik Devgade | 70694 | 30 / 30 | 10 | 04 | 06 | 20 |
| 15 | Komal Virulkar | 70704 | 30 / 30 | 10 | 04 | 06 | 20 |
| 16 | Mahak Satish Mokati | 70705 | 30 / 30 | 10 | 04 | 06 | 20 |
| 17 | Manisha Rameshrao Himane | 70727 | 28 / 30 | 10 | 04 | 06 | 20 |
| 18 | Mrunal S. Dhemre | 70729 | 30 / 30 | 10 | 04 | 06 | 20 |
| 19 | Neha D. Bedurkar | 70730 | 30 / 30 | 10 | 04 | 06 | 20 |
| 20 | Nikita Dighade | 70732 | 28 / 30 | 10 | 04 | 06 | 20 |
| 21 | Niyati S. Kucheriya | 70733 | 28 / 30 | 10 | 04 | 06 | 20 |
| 22 | Pachi R. Bansod | 70738 | 24 / 30 | 10 | 04 | 06 | 20 |
| 23 | Papiha Ravindra Dable | 70734 | 30 / 30 | 10 | 04 | 06 | 20 |
| 24 | Pranita Narayнraon Ambatkar | 70707 | 24 / 30 | 10 | 04 | 06 | 20 |
| 25 | Pranjali Pravinrao Titare | 70741 | 28 / 30 | 10 | 04 | 06 | 20 |
| 26 | Pratiksha Rameshwar Bhoyar | 70743 | 30 / 30 | 10 | 04 | 06 | 20 |
| 27 | Pratiksha Vakil | 70742 | 30 / 30 | 10 | 04 | 06 | 20 |
| 28 | Puja Surendrarao Ambadare | 70709 | 30 / 30 | 10 | 04 | 06 | 20 |
| 29 | Purvesh Chandak | 70748 | 30 / 30 | 10 | 04 | 06 | 20 |
| 30 | Purvesh Kanere | 70747 | 30 / 30 | 10 | 04 | 06 | 20 |
| 31 | Radhika R. Raut | 70749 | 20 / 30 | 10 | 04 | 06 | 20 |
| 32 | Ranu Sonone | 70752 | 28 / 30 | 10 | 04 | 06 | 20 |
| 33 | Renuka Bhusari | 70753 | 26 / 30 | 10 | 04 | 06 | 20 |
| 34 | Renuka Borkar | 70754 | 30 / 30 | 10 | 04 | 06 | 20 |
| 35 | Rupali Bhskarrav Talan | 70711 | 30 / 30 | 10 | 04 | 06 | 20 |
| 36 | Rushikesh Narendra Dawarc | 70760 | 30 / 30 | 10 | 04 | 06 | 20 |
| 37 | Sakshi Rajesh Raut | 70714 | 30 / 30 | 10 | 04 | 06 | 20 |
| 38 | Sakshi V. Rathod | 70715 | 30 / 30 | 10 | 04 | 06 | 20 |
| 39 | Samruddhi Sukhdev Dongare | 70765 | 22 / 30 | 10 | 04 | 06 | 20 |
| 40 | Sana Afreen Shakeel Ahmad | 70766 | 30 / 30 | 10 | 04 | 06 | 20 |
| 41 | Saurav Gadling | 70770 | 30 / 30 | 10 | 04 | 06 | 20 |
| 42 | Shraddha A. Garud | 70773 | 30 / 30 | 10 | 04 | 06 | 20 |
| 43 | Snehal S. Masram | 70718 | 30 / 30 | 10 | 04 | 06 | 20 |
| 44 | Unnati H.Athawale | 70784 | 30 / 30 | 10 | 04 | 06 | 20 |
| 45 | Vaishali Gajananrao Patil | 70720 | 30 / 30 | 10 | 04 | 06 | 20 |
| 46 | Vaishnavi N. Kokate | 70786 | 30 / 30 | 10 | 04 | 06 | 20 |
| 47 | Vaishnavi Naresh Gupta | 70722 | 30 / 30 | 10 | 04 | 06 | 20 |
| 48 | Vaishnavi Vilas Gulhane | 70787 | 30 / 30 | 10 | 04 | 06 | 20 |
| 49 | Wrushali Rameshwar Malwar | 70791 | 24 / 30 | 10 | 04 | 06 | 20 |

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B.Sc.IIISem.V, Unit Test Google form link:https://forms.gle/fpFshDAAAk41VdfN6

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**Department Of Microbiology**

**Notice** **Date: 11/07/2021**

All the students of B. Sc. Part III semester –VI Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit on or before 31th July 2021.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Adarsh Tribhuwan Upadhayay | Industrial Production of Penicillin |
| 2 | Aishwarya Vinod Shastrakar | Microbial Industrial Production of Cellulase |
| 3 | Akshay Ranjitrao Ingle | Industrial Production of Beer |
| 4 | Anjali Narayan Funde | Industrial Production of Amylase (bacterial) |
| 5 | Aparna Shridhar Tarale | Industrial Production of single cell protein |
| 6 | Apurva Marotrao Pawar | Industrial Production of ethyl alcohol |
| 7 | Bhagyashri Sureshrao Kasturkar | Industrial Production of Vinegar |
| 8 | Bhavisha D. Dhandhukiya | Industrial Production of Acetone-butanol from corn |
| 9 | Divya Pundlikraw Nikhade | Pasteurization |
| 10 | Gaurav R. Meshram | Industrial Production of Streptomycin |
| 11 | Harshal Anilrao Narode | Manufacture of butter |
| 12 | Harshali Marotrao Shrirame | Preparation of fermented food like Pickles |
| 13 | Kallyani R. Saundarkar | Preparation of fermented food like Idli |
| 14 | Kartik Sanjay Deogade | Industrial Production of Wine (Red table) |
| 15 | Komal Virulkar | Industrial Production of Vitamin $B_6$ |
| 16 | Mahak Satish Mokati | Milk adulteration testing methods |
| 17 | Manisha RameshHimane | Indicators of food contamination as per WHO |
| 18 | Mrunal Sanjayrao Dhemre | Manufacture of Milk Powder |
| 19 | Neha D. Bedurkar | Manufacture of Cheedar Cheese |
| 20 | Nikita Sukhadevrao Dighade | Industrial Production of Citric acid |
| 21 | Niyati Sunil Kucheriya | Manufacture of Yoghurt |
| 22 | Papiha Ravindra Dable | Manufacture of Butter |
| 23 | Prachi R.Bansod | Methods of Preservation of Foods |
| 24 | Pranita Narayanrao Ambatkar | Preparation of Milk Powder |
| 25 | Pranjali Pravinrao Titare | Industrial production of Vitamin C |
| 26 | Pratiksha Kishorrao Vakil | Manufacture of Kefir |
| 27 | Pratiksha Rameshwar Bhoyar | Scope of Industrial microbiology and Biotechnology |
| 28 | Puja Surendrarao Ambadare | Industrial production of Fungal Amylase |
| 29 | Purvesh Chandak | Food infections |
| 30 | Purvesh Kanere | Manufacture of Fermented food like Sauerkraut |
| 31 | Radhika R. Raut | Screening of industrial important microorganisms |
| 32 | Ranu Sonone | Industrial production of tetracycline |
| 33 | Renuka Pradip Bhusari | Industrial production of Vitamin $B_{12}$ |
| 34 | Renuka Satish Borkar | Fermentations :Types, etc |
| 35 | Rupali Bhskarrav Talan | Industrial production of Vitamin E |
| 36 | Rushilesh Daware | Industrial production of Vitamin A |
| 37 | Sakshi Rajesh Raut | Industrial Production of Wine (White table) |
| 38 | Sakshi Vasantrao Rathod | Industrial production of Vitamin K |
| 39 | Samruddhi Sukhdev Dongare | EMP Pathway |
| 40 | Sana Afreen Shakeel Ahmad | Sources of Microorganisms in Milk |
| 41 | Saurav Padmakar Gadling | Sources of Microorganisms in Food |
| 42 | Shraddha Arvind Garud | TCA cycle |
| 43 | Snehal Masram | Food poisoning and Food infections |
| 44 | Unnati Harish Athawale | Classification and Nomenclature of enzymes |
| 45 | Vaishali Gajananrao Patil | Detection and assay of fermentation products |
| 46 | Vaishnavi Naresh Gupta | General layout of fermentation plant |
| 47 | Vaishnavi Kokate | Antifoam agents |
| 48 | Vaishnavi Vilas Gulhane | Inoculum buildup |
| 49 | Wrushali Rameshwar Malwar | Oxidative phosphorylation |

(Dr. N.A.Sonune)

(Dr. Y. B. Gandole)
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DEPARTMENT OF MICROBIOLOGY

Date: 11/07/2021

## NOTICE

All the students B. Sc. Part III Semester - VI Microbiology are hereby informed that, as a part of Internal Assessment, their seminar will be conducted online on 26th July 2021 at 2.55 pm. All Students must remain present for the seminar.

| S.N. | Name of Student | Seminar Topic |
|---|---|---|
| 1 | Adarsh Tribhuwan Upadhyay | Industrial Production of Penicillin |
| 2 | Aishwarya Vinod Shastrakar | Microbial Industrial Production of Cellulase |
| 3 | Akshay Ranjitrao Ingle | Industrial Production of Beer |
| 4 | Anjali Narayan Funde | Industrial Production of Amylase (bacterial) |
| 5 | Aparna Shridhar Tarale | Industrial Production of single cell protein |
| 6 | Apurva Marotrao Pawar | Industrial Production of ethyl alcohol |
| 7 | Bhagyashri Sureshrao Kasturkar | Industrial Production of Vinegar |
| 8 | Bhavisha D. Dhandhukiya | Industrial Production of Acetone-butanol from corn |
| 9 | Divya Pundlikrao Nikhade | Pasteurization |
| 10 | Gaurav R. Meshram | Industrial Production of Streptomycin |
| 11 | Harshal Anilrao Narode | Manufacture of butter |
| 12 | Harshali Marotrao Shriramе | Preparation of fermented food like Pickles |
| 13 | Kallyani R. Saundarkar | Preparation of fermented food like Idli |
| 14 | Kartik Sanjay Deogade | Industrial Production of Wine (Red table) |
| 15 | Komal Virulkar | Industrial Production of Vitamin $B_6$ |
| 16 | Mahak Satish Mokati | Milk adulteration testing methods |
| 17 | Manisha RameshHimane | Indicators of food contamination as per WHO |
| 18 | Mrunal Sanjayrao Dhemre | Manufacture of Milk Powder |
| 19 | Neha D. Bedurkar | Manufacture of Cheedar Cheese |
| 20 | Nikita Sukhadevrao Dighade | Industrial Production of Citric acid |
| 21 | Niyati Sunil Kucheriya | Manufacture of Yoghurt |
| 22 | Papiha Ravindra Dable | Manufacture of Butter |
| 23 | Prachi R.Bansod | Methods of Preservation of Foods |
| 24 | Pranita Narayanrao Ambatkar | Preparation of Milk Powder |
| 25 | Pranjali Pravinrao Titare | Industrial production of Vitamin C |
| 26 | Pratiksha Kishorrao Vakil | Manufacture of Kefir |
| 27 | Pratiksha Rameshwar Bhoyar | Scope of Industrial microbiology and Biotechnology |
| 28 | Puja Surendrarao Ambadare | Industrial production of Fungal Amylase |
| 29 | Purvesh Chandak | Food infections |
| 30 | Purvesh Kanere | Manufacture of Fermented food like Sauerkraut |
| 31 | Radhika R. Raut | Screening of industrial important microorganisms |
| 32 | Ranu Sonone | Industrial production of tetracycline |
| 33 | Renuka Pradip Bhusari | Industrial production of Vitamin $B_{12}$ |
| 34 | Renuka Satish Borkar | Fermentations :Types, etc |
| 35 | Rupali Bhskarrav Talan | Industrial production of Vitamin E |
| 36 | Rushilesh Daware | Industrial production of Vitamin A |
| 37 | Sakshi Rajesh Raut | Industrial Production of Wine (White table) |
| 38 | Sakshi Vasantrao Rathod | Industrial production of Vitamin K |
| 39 | Samruddhi Sukhdev Dongare | EMP Pathway |
| 40 | Sana Afreen Shakeel Ahmad | Sources of Microorganisms in Milk |
| 41 | Saurav Padmakar Gadling | Sources of Microorganisms in Food |
| 42 | Shraddha Arvind Garud | TCA cycle |
| 43 | Snehal Masram | Food poisoning and Food infections |
| 44 | Unnati Harish Athawale | Classification and Nomenclature of enzymes |
| 45 | Vaishali Gajananrao Patil | Detection and assay of fermentation products |
| 46 | Vaishnavi Naresh Gupta | General layout of fermentation plant |
| 47 | Vaishnavi Kokate | Antifoam agents |
| 48 | Vaishnavi Vilas Gulhane | Inoculum buildup |
| 49 | Wrushali Rameshwar Malwar | Oxidative phosphorylation |

Concern Teacher

Principal

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 11/07/2021

## NOTICE

All the students B. Sc. Part III Semester - VI Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted online on 17th July 2021 at 1.15 pm. All Students must remain present for the test examination.

Unit For Test Examination: **Unit No. V Food** Microbiology

(Dr. N. A. Sonune)
Concern Teacher

(Dr. Y. B. Gandole)
Principal
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Dhamangaon Rly.

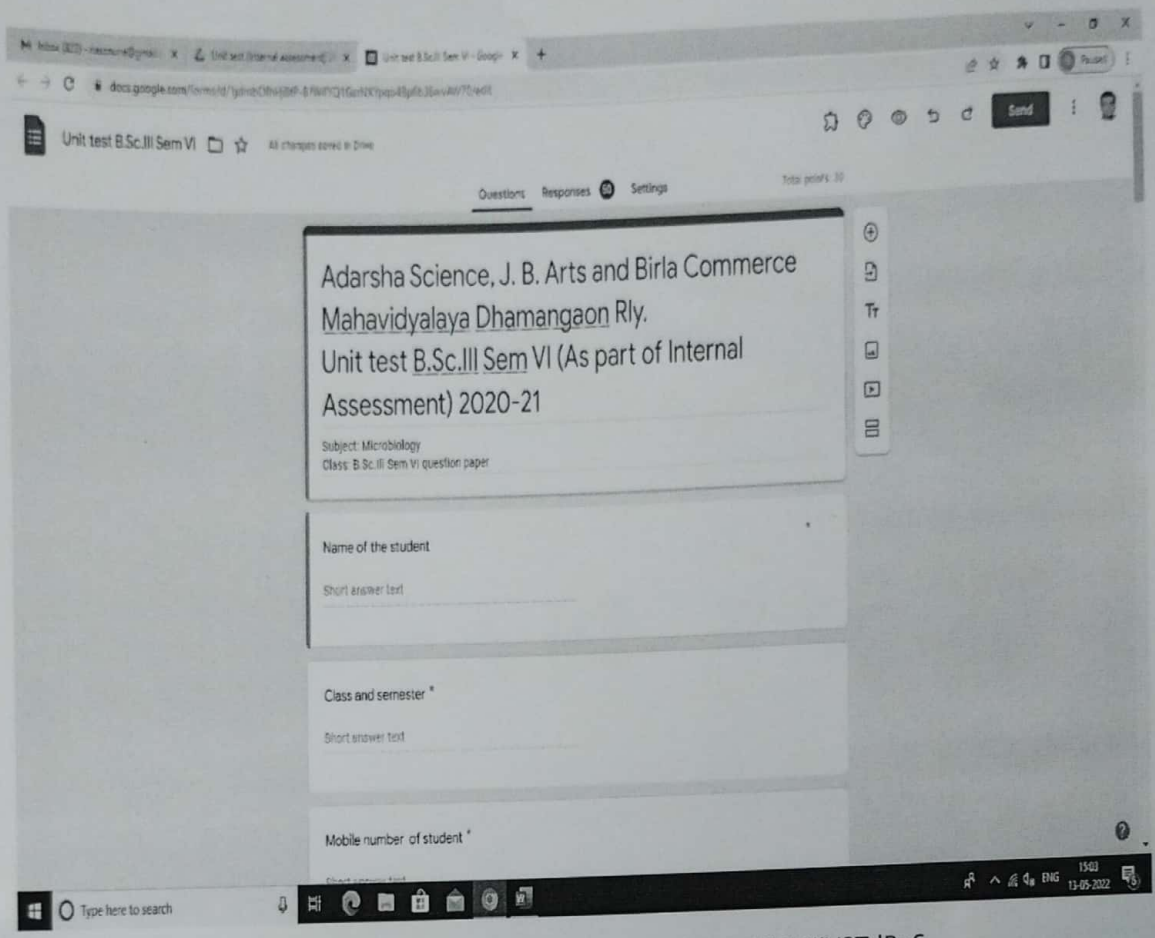
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**Adarsha Science, J.B. Arts and Birla Commerce MahavidyalayaDhamangaon Rly.**
**Class: B.Sc. III Sem VI**
**Subject: Microbiology**
**Internal marks Summer-2021**

| Sr. No. | Name of the student | Unit test Score | Unit test mark (10 M) | Project Assignment (4M) | Seminar (6 M) | Total marks (20 M) |
|---|---|---|---|---|---|---|
| 1 | Adarsh TribhuwanUpadhayay | 26 / 30 | 10 | 4 | 6 | 20 |
| 2 | Aishwarya Vinod Shastrakar | 28 / 30 | 10 | 4 | 6 | 20 |
| 3 | AkshayRanjitraoIngle | 28 / 30 | 10 | 4 | 6 | 20 |
| 4 | Anjali Narayan Funde | 28 / 30 | 10 | 4 | 6 | 20 |
| 5 | Aparna Shridhar Tarale | 26 / 30 | 10 | 4 | 6 | 20 |
| 6 | Apurva MarotraoPawar | 30 / 30 | 10 | 4 | 6 | 20 |
| 7 | BhagyashriSureshraoKasturkar | 28 / 30 | 10 | 4 | 6 | 20 |
| 8 | Bhavisha D.Dhandhukiya | 18 / 30 | 7 | 4 | 6 | 17 |
| 9 | DivyaPundlikrawNikhade | 28 / 30 | 10 | 4 | 6 | 20 |
| 10 | Gaurav R.Meshram | 28 / 30 | 10 | 4 | 6 | 20 |
| 11 | HarshalAnilraoNarode | 26 / 30 | 10 | 4 | 6 | 20 |
| 12 | HarshaliMarotraoShrirame | 28 / 30 | 10 | 4 | 6 | 20 |
| 13 | Kallyani R.Saundarkar | 26 / 30 | 10 | 4 | 6 | 20 |
| 14 | Kartik Sanjay Deogade | 22 / 30 | 7 | 4 | 6 | 17 |
| 15 | KomalVirulkar | 22 / 30 | 7 | 4 | 6 | 17 |
| 16 | Mahak Satish Mokati | 28 / 30 | 10 | 4 | 6 | 20 |
| 17 | Manisha RameshHimane | 24 / 30 | 10 | 4 | 6 | 20 |
| 18 | MrunalSanjayraoDhemre | 26 / 30 | 10 | 4 | 6 | 20 |
| 19 | Neha D.Bedurkar | 26 / 30 | 10 | 4 | 6 | 20 |
| 20 | Nikita SukhadevraoDighade | 18 / 30 | 7 | 4 | 6 | 17 |
| 21 | Niyati Sunil Kucheriya | 26 / 30 | 10 | 4 | 6 | 20 |
| 22 | Papiha Ravindra Dable | 28 / 30 | 10 | 4 | 6 | 20 |
| 23 | Prachi R.Bansod | 28 / 30 | 10 | 4 | 6 | 20 |
| 24 | PranitaNarayanraoAmbatkar | 28 / 30 | 10 | 4 | 6 | 20 |
| 25 | PranjaliPravinraoTitare | 24 / 30 | 10 | 4 | 6 | 20 |
| 26 | PratikshaKishorraoVakil | 28 / 30 | 10 | 4 | 6 | 20 |
| 27 | Pratiksha Rameshwar Bhoyar | 24 / 30 | 10 | 4 | 6 | 20 |
| 28 | Puja SurendraraoAmbadare | 30 / 30 | 10 | 4 | 6 | 20 |
| 29 | PurveshChandak | 28 / 30 | 10 | 4 | 6 | 20 |
| 30 | PurveshKanere | 28 / 30 | 10 | 4 | 6 | 20 |
| 31 | Radhika R. Raut | 28 / 30 | 10 | 4 | 6 | 20 |
| 32 | RanuSonone | 30 / 30 | 10 | 4 | 6 | 20 |
| 33 | Renuka Pradip Bhusari | 22 / 30 | 7 | 4 | 6 | 17 |
| 34 | Renuka Satish Borkar | 28 / 30 | 10 | 4 | 6 | 20 |
| 35 | Rupali Bhskarrav Talan | 30 / 30 | 10 | 4 | 6 | 20 |
| 36 | RushileshDaware | 20 / 30 | 7 | 4 | 6 | 17 |
| 37 | Sakshi Rajesh Raut | 28 / 30 | 10 | 4 | 6 | 20 |
| 38 | Sakshi Vasantrao Rathod | 26 / 30 | 10 | 4 | 6 | 20 |
| 39 | SamruddhiSukhdev Dongare | 18 / 30 | 7 | 4 | 6 | 17 |
| 40 | Sana Afreen Shakeel Ahmad | 24 / 30 | 10 | 4 | 6 | 20 |
| 41 | Saurav PadmakarGadling | 28 / 30 | 10 | 4 | 6 | 20 |
| 42 | Shraddha Arvind Garud | 30 / 30 | 10 | 4 | 6 | 20 |
| 43 | SnehalMasram | 28 / 30 | 10 | 4 | 6 | 20 |
| 44 | Unnati Harish Athawale | 30 / 30 | 10 | 4 | 6 | 20 |
| 45 | Vaishali GajananraoPatil | 28 / 30 | 10 | 4 | 6 | 20 |
| 46 | Vaishnavi Naresh Gupta | 30 / 30 | 10 | 4 | 6 | 20 |
| 47 | Vaishnavi Kokate | 28 / 30 | 10 | 4 | 6 | 20 |
| 48 | Vaishnavi Vilas Gulhane | 30 / 30 | 10 | 4 | 6 | 20 |
| 49 | Wrushali Rameshwar Malwar | 28 / 30 | 10 | 4 | 6 | 20 |

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B.Sc.III Sem.VI, Unit Test Google form link:https://forms.gle/Gn6iWjFANjV8TdBg6

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**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date:13.08.2019**

All the students of **B.Sc.I(Semester I)** are hereby informed that their **Class test(Internal assessment marks)**in **Microbiology**will be conducted **on 23rd Aug.2019 at 2.55 a.m. onwards in Room No.9.** All students must remain present for this test examination.

| Course | Unit No. I | History of Microbiology |
|---|---|---|

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& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

**OR**

**What is spontaneous generation?**

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 01/09/2019**

All the students of B. Sc. Part I semester –I Microbiology are hereby informed that their topic for (as a part of their internal assessment) has been finalized. Students are advised to note their topics for assignment and submit the assignment on or before 21st September 2019.

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Sant Gadge Baba Amravati University

Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.I (Semester I)

-Class test- Max. Marks 30

N.B.:-1) Question No.1 is compulsory and carries six marks without any internal choice.

2) Question No.2 and Question No.3 carry equal marks with internal choice.

Que.1.(A)Fill in the blanks:- (2)

(i) ---------- discovered bacteria.

(ii) ---------- introduced streak plate method.

(B) Choose the correct answer. (2)

(i) ---------proposed germ theory of disease.

(a) Louis Pasteur (b) Robert Koch (c) Francesco Redi (d) John Needham

(ii) Medical Microbiology deals with the study and control of ----------

(a) beneficialmos (b) pathogenic mos (c) useful mos (d) none

(C) Answer in one sentence only. (2)

(i) Define Genetic engineering.

(ii) What is purpose of agar agar in nutrient media?

Que.2. (a) Give contribution of Joseph Lister in relation to antiseptic surgery.(4)

(b) Give Koch's postulates.(4)

(c) Define:-(i)Industrial Microbiology(ii) Soil Microbiology(4)

OR

(d) Explain how Robert Koch introduced Pour plate method.(4)

(e) Give contribution of Joseph Lister in relation to pure culture tech.(4)

(f) Definebiotechnology. Give names of any four products developed by this technology.(4)

Que.3. What is theory of abiogenesis . Give contributions ofLazzarroSpallanzani, Louis Pasteur and John Tyndall to disprove it. (12)

OR

What is spontaneous generation theory. Give contributions of Schulze and Schwawn, Schroeder and Von Dusch, and Louis Pasteur to disprove it. (12)

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Sant Gadge Baba Amravati University, Amravati
Record of Class Test (2019-2020)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part I ( Semester–I)
Subject : Microbiology
Paper (With Title) –1S Microbiology
(Fundamentals of Microbiology and Microbial Physiology)

Name of Teacher : Dr. G. N. Budhlani — Designation : Associate Professor — Max. Marks: 12

| Sr. No | Name of the student | CLASS TEST/ Date:23.08.2019 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Marks | Marks | Pass/ Fail | |
| 1 | Chanchal Gajendra Gawarle | 30 | 27 | Pass | 12 |
| 2 | Dineshwari Jitendra Shelar | 30 | 25 | Pass | 12 |
| 3 | Gaurav Sharad Bhoge | 30 | 00 | Fail | 00 |
| 4 | Gauri Ashokrao Budhe | 30 | 26 | Pass | 12 |
| 5 | Gauri Dinesh Khandarkar | 30 | 24 | Pass | 12 |
| 6 | Gayatri Pramod Bante | 30 | 28 | Pass | 12 |
| 7 | Isha Vijay Unone | 30 | 26 | Pass | 12 |
| 8 | Nikita Rajabhau Ghavade | 30 | 24 | Pass | 12 |
| 9 | Pallavi Gajananrao Chimurkar | 30 | 24 | Pass | 12 |
| 10 | Pradnya Manikrao Wasnik | 30 | 24 | Pass | 12 |
| 11 | Pratiksha Gajanan Bhoyar | 30 | 29 | Pass | 12 |
| 12 | Pratiksha Kishor Parteki | 30 | 24 | Pass | 12 |
| 13 | Priti Shankarrao Sultane | 30 | 24 | Pass | 12 |
| 14 | Sakshi Anil Nikam | 30 | 24 | Pass | 12 |
| 15 | Sakshi Manoj Shinde | 30 | 24 | Pass | 12 |
| 16 | Sakshi Rajendra Shrirame | 30 | 24 | Pass | 12 |
| 17 | Sakshi Vitthal Pole | 30 | 25 | Pass | 12 |
| 18 | Samruddhi Sachin Thakare | 30 | 26 | Pass | 12 |
| 19 | Shreya Vinodrao Kandalkar | 30 | 24 | Pass | 12 |
| 20 | Shweta Brahmanand Kale | 30 | 28 | Pass | 12 |
| 21 | Siddhant Rajendrarao Dhokame | 30 | 24 | Pass | 12 |
| 22 | Sonal Pramodrao Parkhade | 30 | 24 | Pass | 12 |
| 23 | Aastha Laxmanrao Wasnik | 30 | 29 | Pass | 12 |
| 24 | Achal Vijay Nagrikar | 30 | 26 | Pass | 12 |
| 25 | Akash Raju Sawai | 30 | 24 | Pass | 12 |
| 26 | Apeksha Shivdatta Garad | 30 | 26 | Pass | 12 |
| 27 | Ashwini Pramodrao Wankhade | 30 | 26 | Pass | 12 |
| 28 | Bhagyashri Vijayrao Wanjari | 30 | 25 | Pass | 12 |
| 29 | Diksha Shashikant Choube | 30 | 25 | Pass | 12 |
| 30 | Dinesh Narandraji Dagwar | 30 | 24 | Pass | 12 |
| 31 | Divya Sunil Chauragade | 30 | 24 | Pass | 12 |
| 32 | Janavi Hemrajji Titare | 30 | 27 | Pass | 12 |
| 33 | Kanchan Arvind Nyahare | 30 | 24 | Pass | 12 |
| 34 | Mohini Prakashrao Uike | 30 | 24 | Pass | 12 |
| 35 | Monali Nitinrao Bhure | 30 | 24 | Pass | 12 |
| 36 | Namrata Rahul Manohare | 30 | 24 | Pass | 12 |
| 37 | Nikhita Gajanan Karangale | 30 | 28 | Pass | 12 |
| 38 | Nikita Vasant Patil | 30 | 25 | Pass | 12 |
| 39 | Palak Avinash Raut | 30 | 28 | Pass | 12 |
| 40 | Pallavi Diliprao Gollait | 30 | 27 | Pass | 12 |
| 41 | Punam Prakashrao Zite | 30 | 24 | Pass | 12 |
| 42 | Reena Rameshrao Khandare | 30 | 28 | Pass | 12 |
| 43 | Samiksha Gajanan Thor | 30 | 25 | Pass | 12 |
| 44 | Sejal Sudeshrao Arekar | 30 | 27 | Pass | 12 |
| 45 | Shivani Raju Bhalerao | 30 | 26 | Pass | 12 |
| 46 | Shraddha Dattaji Pinjari | 30 | 27 | Pass | 12 |
| 47 | Shrutika Arun Bhoyar | 30 | 26 | Pass | 12 |
| 48 | Sejal Babanrao Choudhari | 30 | 24 | Pass | 12 |
| 49 | Vaishnavi Laxmanrao Kardikar | 30 | 27 | Pass | 12 |
| 50 | Aakstha A. Lokhande | 30 | 25 | Pass | 12 |
| | TOTAL (1 TO 57) | 1500 | | | |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 17.10.2019

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Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Record of Internal Assessment Marks of Assignment/Project Assignment 2019-2020**

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya Dhamangaon Rly

Class : B.Sc. Part I ( Semester- I)

Subject : Microbiology

Paper (With Title) –1S Microbiology

(Fundamentals of Microbiology and Microbial Physiology)

Name of Teacher : Dr.V.A.Kamble
Dr. G. N. Budhlani

Designation : Associate Professor

Max. Marks: 08

| S.NO. | Name of the student | Project Assignment/ | | Marks awarded out of 8 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | Chanchal Gajendra Gawarle | 09.09.2019 | 21.09.2019 | 08 |
| 2 | Dineshwari Jitendra Shelar | 09.09.2019 | 21.09.2019 | 08 |
| 3 | Gaurav Sharad Bhope | 09.09.2019 | 21.09.2019 | 08 |
| 4 | Gauri Ashokrao Budhe | 09.09.2019 | 21.09.2019 | 08 |
| 5 | Gauri Dinesh Khandarkar | 09.09.2019 | 21.09.2019 | 08 |
| 6 | Gayatri Pramod Bante | 09.09.2019 | 21.09.2019 | 08 |
| 7 | Isha Vijay Unone | 09.09.2019 | 21.09.2019 | 08 |
| 8 | Nikita Rajabhau Ghayade | 09.09.2019 | 21.09.2019 | 08 |
| 9 | Pallavi Gajananrao Chimurkar | 09.09.2019 | 21.09.2019 | 08 |
| 10 | Pradnya Manikrao Wasnik | 09.09.2019 | 21.09.2019 | 08 |
| 11 | Pratiksha Gajanan Bhoyar | 09.09.2019 | 21.09.2019 | 08 |
| 12 | Priti Shankarrao Sultane | 09.09.2019 | 21.09.2019 | 08 |
| 13 | Sakshi Anil Nikam | 09.09.2019 | 21.09.2019 | 08 |
| 14 | Sakshi Manoj Shinde | 09.09.2019 | 21.09.2019 | 08 |
| 15 | Sakshi Rajendra Shriramе | 09.09.2019 | 21.09.2019 | 08 |
| 16 | Sakshi Vitthal Pole | 09.09.2019 | 21.09.2019 | 08 |
| 17 | Samruddhi Sachin Thakare | 09.09.2019 | 21.09.2019 | 08 |
| 18 | Shreya Vinodrao Kandalkar | 09.09.2019 | 21.09.2019 | 08 |
| 19 | Shweta Brahmanand Kale | 09.09.2019 | 21.09.2019 | 08 |
| 20 | Siddhant Rajendrarao Dhokame | 09.09.2019 | 25.09.2019 | 08 |
| 21 | Sonal Pramodrao Parkhade | 09.09.2019 | 21.09.2019 | 08 |
| 22 | Aastha Laxmanrao Wasnik | 09.09.2019 | 25.09.2019 | 08 |
| 23 | Achal Vijay Nagrikar | 09.09.2019 | 25.09.2019 | 08 |
| 24 | Akash Raju Sawai | 09.09.2019 | 25.09.2019 | 08 |
| 25 | Apeksha Shivdatta Garad | 09.09.2019 | 25.09.2019 | 08 |
| 26 | Ashwini Pramodrao Wankhade | 09.09.2019 | 25.09.2019 | 08 |
| 27 | Bhagyashri Vijayrao Wanjari | 09.09.2019 | 25.09.2019 | 08 |
| 28 | Diksha Shashikant Choube | 09.09.2019 | 25.09.2019 | 08 |
| 29 | Dinesh Narandraji Dagwar | 09.09.2019 | 25.09.2019 | 08 |
| 30 | Divya Sunil Chauragade | 09.09.2019 | 25.09.2019 | 08 |
| 31 | Janavi Hemrajji Titare | 09.09.2019 | 25.09.2019 | 08 |
| 32 | Kanchan Arvind Nyahare | 09.09.2019 | 25.09.2019 | 08 |
| 33 | Mohini Prakashrao Uike | 09.09.2019 | 25.09.2019 | 08 |
| 34 | Monali Nitinrao Bhure | 09.09.2019 | 25.09.2019 | 08 |
| 35 | Namrata Rahul Manohare | 09.09.2019 | 25.09.2019 | 08 |
| 36 | Nikhita Gajanan Karangale | 09.09.2019 | 25.09.2019 | 08 |
| 37 | Nikita Vasant Patil | 09.09.2019 | 25.09.2019 | 08 |
| 38 | Palak Avinash Raut | 09.09.2019 | 25.09.2019 | 08 |
| 39 | Pallavi Diliprao Golait | 09.09.2019 | 25.09.2019 | 08 |
| 40 | Punam Prakashrao Zite | 09.09.2019 | 25.09.2019 | 08 |
| 41 | Reena Rameshrao Khandare | 09.09.2019 | 25.09.2019 | 08 |
| 42 | Samiksha Gajanan Thor | 09.09.2019 | 25.09.2019 | 08 |
| 43 | Sejal Sudeshrao Arekar | 09.09.2019 | 25.09.2019 | 08 |
| 44 | Shivani Raju Bhalerao | 09.09.2019 | 25.09.2019 | 08 |
| 45 | Shraddha Dattaji Pinjari | 09.09.2019 | 25.09.2019 | 08 |
| 46 | Shrutika Arun Bhoyar | 09.09.2019 | 25.09.2019 | 08 |
| 47 | Sejal Babanrao Choudhari | 09.09.2019 | 25.09.2019 | 08 |
| 48 | Vaishnavi Laxmanrao Kardikar | 09.09.2019 | 25.09.2019 | 08 |
| 49 | Aakstha A.Lokhande | 09.09.2019 | 25.09.2019 | 08 |
| 50 | Pratiksha Kishor Parteki | 09.09.2019 | 25.09.2019 | 08 |
| | TOTAL (1 TO 56) | | | 08 |
| | | | | 400 |

Name and Signature of Teachers
(Dr.V.A.Kamble)

(Dr. G. N. Budhlani)

Date : 17.10.2019

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PRINCIPAL
Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya Dhamangaon Rly.

Signature of H. O. D
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks 2019-2020
Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part I ( Semester- I)
Subject : Microbiology
Paper (With Title) –IS Microbiology
(Fundamentals of Microbiology and Microbial Physiology)
Name of Teacher : Dr. G. N. Budhlani Designation : Associate Professor
Max. Marks: 08

| Sr. No. | Name of the Student | Marks Obtained/ F.Y.B.A/B.SC/B.COM Assignment | Class Tests | Total Max. Marks:- 20 |
|---|---|---|---|---|
| 1 | Chanchal Gajendra Gawarle 2727 | 08 | 12 | 20 |
| 2 | Dineshwari Jitendra Shelar 2646 | 08 | 12 | 20 |
| 3 | Gaurav Sharad Bhoge 2732 | 08 | 00 | 08 |
| 4 | Gauri Ashokrao Budhe 2735 | 08 | 12 | 20 |
| 5 | Gauri Dinesh Khandarkar 2727 | 08 | 12 | 20 |
| 6 | Gayatri Pramod Bante 2698 | 08 | 12 | 20 |
| 7 | Isha Vijay Unone 2729 | 08 | 12 | 20 |
| 8 | Nikita Rajabhau Ghavade 2768 | 08 | 12 | 20 |
| 9 | Pallavi Gajananrao Chimurkar 2750 | 08 | 12 | 20 |
| 10 | Pradnya Manikrao Wasnik 2756 | 08 | 12 | 20 |
| 11 | Pratiksha Gajanan Bhoyar 2744 | 08 | 12 | 20 |
| 12 | Priti Shankarrao Sultane 2665 | 08 | 12 | 20 |
| 13 | Sakshi Anil Nikam 2708 | 08 | 12 | 20 |
| 14 | Sakshi Manoj Shinde 2767 | 08 | 12 | 20 |
| 15 | Sakshi Rajendra Shriramе 2644 | 08 | 12 | 20 |
| 16 | Sakshi Vitthal Pole 2731 | 08 | 12 | 20 |
| 17 | Samruddhi Sachin Thakare 2742 | 08 | 12 | 20 |
| 18 | Shreya Vinodrao Kandalkar 2668 | 08 | 12 | 20 |
| 19 | Shweta Brahmanand Kale 2737 | 08 | 12 | 20 |
| 20 | Siddhant Rajendrarao Dhokame 2680 | 08 | 12 | 20 |
| 21 | Sonal Pramodrao Parkhade 2761 | 08 | 12 | 20 |
| 22 | Aastha Laxmanrao Wasnik 2707 | 08 | 12 | 20 |
| 23 | Achal Vijay Nagrikar 2740 | 08 | 12 | 20 |
| 24 | Akash Raju Sawai 2716 | 08 | 12 | 20 |
| 25 | Apeksha Shivdatta Garad 2755 | 08 | 12 | 20 |
| 26 | Ashwini Pramodrao Wankhade 2684 | 08 | 12 | 20 |
| 27 | Bhagyashri Vijayrao Wanjari 2743 | 08 | 12 | 20 |
| 28 | Diksha Shashikant Choube 2688 | 08 | 12 | 20 |
| 29 | Dinesh Narandraji Dagwar 2677 | 08 | 12 | 20 |
| 30 | Divya Sunil Chauragade 2723 | 08 | 12 | 20 |
| 31 | Janavi Hemrajji Titare 2647 | 08 | 12 | 20 |
| 32 | Kanchan Arvind Nyahare 2765 | 08 | 12 | 20 |
| 33 | Mohini Prakashrao Uike 2670 | 08 | 12 | 20 |
| 34 | Monali Nitinrao Bhure 2702 | 08 | 12 | 20 |
| 35 | Namrata Rahul Manohare 2766 | 08 | 12 | 20 |
| 36 | Nikhita Gajanan Karangale 2751 | 08 | 12 | 20 |
| 37 | Nikita Vasant Patil 2749 | 08 | 12 | 20 |
| 38 | Palak Avinash Raut 2739 | 08 | 12 | 20 |
| 39 | Pallavi Diliprao Golait 2728 | 08 | 12 | 20 |
| 40 | Punam Prakashrao Zite 2671 | 08 | 12 | 20 |
| 41 | Reena Rameshrao Khandare 2694 | 08 | 12 | 20 |
| 42 | Samiksha Gajanan Thor 2649 | 08 | 12 | 20 |
| 43 | Sejal Sudeshrao Arekar 2712 | 08 | 12 | 20 |
| 44 | Shivani Raju Bhalerao 2726 | 08 | 12 | 20 |
| 45 | Shraddha Dattaji Pinjari 2691 | 08 | 12 | 20 |
| 46 | Shrutika Arun Bhoyar 2657 | 08 | 12 | 20 |
| 47 | Sejal Babanrao Choudhari 2653 | 08 | 12 | 20 |
| 48 | Vaishnavi Laxmanrao Kardikar 2714 | 08 | 12 | 20 |
| 49 | Aaksha A.Lokhande 2763 | 08 | 12 | 20 |
| 50 | Pratiksha Kishor Parteki 2699 | 08 | 12 | 20 |
| | TOTAL (1 TO 50 ) | 400 | | |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 17.10.2019

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Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Department Of Microbiology**

**Notice** **Date: 14/09/2019**

All the students of B. Sc. Part II semester –III Microbiology are hereby informed that their topic for seminar (as a part of their internal assessment) has been finalized. Students are advised to note their topics for seminar. The date of seminar shall be communicated in due course of time.

| S.N. | Name of Student | Topic for seminar |
|---|---|---|
| 1 | Adarsh T. Upadhyay | Physical mutagens 04/10/19 |
| 2 | Aishwarya V.Shastrakar | Polymerase chain reaction PCR 04/10/19 |
| 3 | Anjali N. Funde | Isolation of genomic DNA from bacteria 04/10/19 |
| 4 | Aparna S. Tarale | Mutation by acrydene dyes 07/10/2019 |
| 5 | Apurva M. Pawar | Characters of genetic code 04/10/19 |
| 6 | Bhagyashri S. Kasturkar | DNA replication mechanism 5/10/19 |
| 7 | Bhavisha D. Dhandukiya | Health benefits of probiotics 5/10/19 |
| 8 | Gaurav R. Meshram | Induced mutation by ultraviolet radiations 04/10/19 |
| 9 | Harshali M. Shrirame | Vectors used in gene cloning 04/10/19 |
| 10 | Kallyani R. Saundarkar | Probiotic organisms 04/10/19 |
| 11 | Kartik S. Deogade | Restriction endonuclease 05/10/19 |
| 12 | Komal R. Virulakar | Construction of gene library 04/10/19 |
| 13 | Manisha R. Himane | DNA probes in disease diagnosis 04/10/19 |
| 14 | Mrunal S. Dhemre | Agarose gel electrophoresis 04/10/19 |
| 15 | Neha D. Bedurkar | DNA replication process 11/10/19 |
| 16 | Nikita S. Dighade | Isolation of plasmid DNA from bacteria 05/10/19 |
| 17 | Niyati S. Kucheriya | Recombinant insulin 05/10/19 |
| 18 | Prachi R. Bansod | Transgenic plants 05/10/19 |
| 19 | Pranita N. Ambatkar | DNA ligase 05/10/19 |
| 20 | Pranjali P. Titare | DNA polymerase 05/10/19 |
| 21 | Pratiksha R. Bhoyar | Chemical mutagens 05/10/19 |
| 22 | Puja S. Ambadare | Hfr formation 11/10/19 |
| 23 | Purvesh P. Kanere | Nucleases 05/10/19 |
| 24 | Radhika R. Raut | Enzymes for splicing 05/10/19 |
| 25 | Renuka P. Bhusari | Plasmids as vectors 05/10/19 |
| 26 | Rushikesh N. Daware | Cosmids 07/10/19 |
| 27 | Saurav P. Gadling | Vectors used in genetic engineering 05/10/19 |
| 28 | Shraddha A. Garud | Mutation by X rays 05/10/19 Griffith Expt |
| 29 | Vaishnavi N. Kokate | Mutation by UV rays 05/10/19 |
| 30 | Vaishnavi V. Gulhane | Dark repair mechanism 05/10/19 |
| 31 | Wrushali R. Malwar | Transcription 05/10/19 |
| 32 | Akshay R. Ingle | Enzymes involved in DNA replication |
| 33 | Chetana D. Gajbhiye | Induced mutations |
| 34 | Divya P. Nikhade | Spontaneous mutation 11/01/2019 |
| 35 | Harshal A. Narode | Conjugation between F+ and F- cell 11/10/19 |
| 36 | Mahak S. Mokati | Lac operon 09/10/19 |
| 37 | Papiha R. Dable | Griffith experiment on transformation 05/10/19 |
| 38 | Pratiksha K. Vakil | Basic technique of genetic engineering 09/10/19 |
| 39 | Purvesh T. Chandak | Transgenic plants 11/10/19 |
| 40 | Ranu J. Sonone | Mechanism of transformation 07/10/2019 |
| 41 | Renuka S. Borkar | Lederberg – Tatum experiment on conjugation 07/10/19 |
| 42 | Rupali B. Talan | Spontaneous mutation 07/10/19 |
| 43 | Sakshi R. Raut | Mechanism of transduction 09/10/19 |
| 44 | Sakshi V. Rathod | Models of DNA replication 09/10/19 |
| 45 | Samruddhi S. Dongare | Davis experiment on conjugation 07/10/19 |
| 46 | Sana Afreen. Shakeel Ahmad | Experiment proving DNA as a carrier of genetic information 05/10/19 |
| 47 | Snehal S. Masram | Lederberg – Zinder experiment on transduction 09/10/19 |
| 48 | Unnati H. Athawale | General mechanism of transduction 07/10/19 |
| 49 | Vaishali G. Patil | Outline of translation 07/10/19 |
| 50 | Vaishnavi N. Gupta | Overlapping genes 11/10/19 |
| 51 | Rutuja G. Bhoyar | Rolling Circle Model of DNA replication 19/10/19 |

(Dr. V. A.Kamble) Principal

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**Department Of Microbiology**

**Notice** **Date: 31/08/2019**

All the students of B. Sc. Part II semester –III Microbiology are hereby informed that their topic for project assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for project assignment and submit printed project assignment based on recent development in the field, on or before **28th September, 2019**.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Adarsh T. Upadhyay | Mutation by gamma rays |
| 2 | Aishwarya V.Shastrakar | Polymerase chain reaction PCR |
| 3 | Anjali N. Fundé | Isolation of genomic DNA from bacteria |
| 4 | Aparna S. Tarale | Mutation by acrydene dyes |
| 5 | Apurva M. Pawar | Topoisomerases |
| 6 | Bhagyashri S. Kasturkar | Gene therapy |
| 7 | Bhavisha D. Dhandukiya | Health benefits of probiotics |
| 8 | Gaurav R. Meshram | Induced mutatidn by ultraviolet radiations |
| 9 | Harshali M. Shrirame | Vectors used in gene cloning |
| 10 | Kallyani R. Saundarkar | Probiotic organisms |
| 11 | Kartik S. Deogade | Restriction endonuclease |
| 12 | Komal R. Virulakar | Construction of gene library |
| 13 | Manisha R. Himane | DNA probes in disease diagnosis |
| 14 | Mrunal S. Dhemre | Agarose gel electrophoresis |
| 15 | Neha D. Bedurkar | Marker genes |
| 16 | Nikita S. Dighade | Isolation of plasmid DNA from bacteria |
| 17 | Niyati S. Kucheriya | Recombinant insulin |
| 18 | Prachi R. Bansod | Transgenic plants |
| 19 | Pranita N. Ambatkar | DNA ligase |
| 20 | Pranjali P. Titare | DNA polymerase |
| 21 | Pratiksha R. Bhoyar | Colony hybridization |
| 22 | Puja S. Ambadare | Gene mapping |
| 23 | Purvesh P. Kanere | Nucleases |
| 24 | Radhika R. Raut | Alkaline phosphatase enzyme |
| 25 | Renuka P. Bhusari | Plasmids as vectors |
| 26 | Rushikesh N. Dawane | Cosmids |
| 27 | Saurav P. Gadling | Bacteriophage as vector |
| 28 | Shraddha A. Garud | Mutation by X rays |
| 29 | Vaishnavi N. Kokate | Mutation by UV rays |
| 30 | Vaishnavi V. Gulhane | Dark repair mechanism |
| 31 | Wrushali R. Malwar | Transcription |
| 32 | Akshay R. Ingle | Lac operon |
| 33 | Chetana D. Gajbhiye | Effect of mutation on phenotype |
| 34 | Divya P. Nikhade | Spontaneous mutation |
| 35 | Harshal A. Narode | Recombinant hepatitis vaccine |
| 36 | Mahak S. Mokati | GMO's for pollution control |
| 37 | Papiha R. Dable | Identification of transformed cell using marker gene |
| 38 | Pratiksha K. Vakil | Gamma rays as mutagen |
| 39 | Purvesh T. Chandak | Transgenic plants |
| 40 | Ranu J. Sonone | DNA sequencing |
| 41 | Renuka S. Borkar | Analysis of DNA fragment size by agarose gel electrophoresis |
| 42 | Rupali B. Talan | Spontaneous mutation by tautomerism |
| 43 | Sakshi R. Raut | GM Foods |
| 44 | Sakshi V. Rathod | Selection of clones |
| 45 | Samruddhi S. Dongare | Southern blotting technique |
| 46 | Sana Afreen. Shakeel Ahmad | DNA sequencing by microarray |
| 47 | Snehal S. Masram | Construction of gene library |
| 48 | Unnati H. Athawale | Strain improvement for industrial products |
| 49 | Vaishali G. Patil | Gene therapy |
| 50 | Vaishnavi N. Gupta | DNA probes in diagnosis |
| 51 | Rutuja G. Bhoyar | Recombinant Hepatitis Vaccine |

(Dr. V. A.Kamble)

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

DATE: 09/09/2019

**NOTICE**

All the students B. Sc. Part II Semester - III Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on 27th September 2019 at 3.00 pm in Microbiology Laboratory. All Students must remain present for the test examination.

Course For Test Examination :

**Unit No. I Gene Multiplication & Expression**

**Unit No. III Genetic Recombination**

(Dr. V. A. Kamble)
Concerned Teacher

(Dr Y. B. Gandole)
Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

B.Sc.II (SEMESTER III)

University Class Test Examination -2019

Paper- 3 S - Microbiology (Molecular Biology & Genetic Engineering)

Time:-1.5 Hours Max.Marks:30

Que.1 (A) **Fill in the Blanks** (2)

(i) DNA replication occurs in ---------- mode.

(ii) Genes of which DNA sequence is not continuous pices are scattered in chromosome are called as----------.

(iii) Supercoils formed during DNA replication are removed by enzyme -------- .

(iv) In conjugation, conjugation tube is formed by special appendage called ---------- . (2)

**(B) Choose the correct answer**

(i) Cell to cell contact is not necessary in
a) transduction b) conjugation c) transformation d) transformation & transduction

(ii) Initiation codon for protein synthesis is
a) AUG b) GCU c) CUG d) TCA

(iii) Unwinding of DNA strands during replication is done by enzyme --------
a) DNA polymerase b) Helicase c) Topoisomerase d) DNA Ligase

(iv) Transformation was first discovered in bacterium ----------
a) *Escherichia coli* b) *Diplococcus pneumoniae* c) *Salmonella typhi* d) *Proteus vulgaris* (2)

**(C) Give the answer of following in one sentence each**

(i) What is translocation?

(ii) Define Hfr ? (4)

Que.2 (a) Give any six characteristics of genetic code (4)

(b) Describe in brief translation of protein (4)

(c) Explain in brief rolling circle model of DNA replication (4)

OR

(d) Enlist four different enzymes involved in DNA replication and give its function (4)

(e) Explain in brief Photoreactivation (4)

(f) Define ? i) Muton ii) Recon iii) Overlapping Gene iv) Transcription (4)

Que.3 (a) Describe the mechanism of conjugation between $F^+$ Cell and $F^-$ cell (4)

(b) Describe in brief Lederberg and Tatum experiment for conjugation (4)

(c) Draw the diagrammatic sketch for mechanism of transformation (4)

OR

(d) Describe Davis- U Tube experiment for discovery of conjugation (4)

(e) Describe in brief Griffith experiment on transformation (4)

(f) 'DNA is a carrier of genetic information' proove the statement

Date:- 27/09/2019

Time:- 3.00 pm

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**Department Of Microbiology**

Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

B.Sc.II (SEMESTER III) **University Class Test Examination** -2019

Paper- 3 S - Microbiology (Molecular Biology & Genetic Engineering)

Time:-1.5 Hours Max.Marks:30 Date: 27/09/2019

| S.N. | Name of Student | Signature |
|---|---|---|
| 1 | Adarsh T. Upadhyay ✓ | |
| 2 | Aishwarya V.Shastrakar ✓ | |
| 3 | Anjali N. Funde ✓ | |
| 4 | Aparna S. Tarale ✓ | |
| 5 | Apurva M. Pawar ✓ | A. M. Pawar |
| 6 | Bhagyashri S. Kasturkar ✓ | |
| 7 | Bhavisha D. Dhandukiya ✓ | |
| 8 | Gaurav R. Meshram ✓ | |
| 9 | Harshali M. Shrirame ✓ | |
| 10 | Kallyani R. Saundarkar ✓ | |
| 11 | Kartik S. Deogade ✓ | |
| 12 | Komal R. Virulakar ✓ | |
| 13 | Manisha R. Himane ✓ | |
| 14 | Mrunal S. Dhemre ✓ | |
| 15 | Neha D. Bedurkar ✓ | N. D. Bedurkar |
| 16 | Nikita S. Dighade ✓ | |
| 17 | Niyati S. Kucheriya ✓ | |
| 18 | Prachi R. Bansod ✓ | |
| 19 | Pranita N. Ambatkar ✓ | |
| 20 | Pranjali P. Titare ✓ | |
| 21 | Pratiksha R. Bhoyar ✓ | |
| 22 | Puja S. Ambadare ✓ | P.S. Ambadare |
| 23 | Purvesh P. Kanere ✓ | |
| 24 | Radhika R. Raut ✓ | |
| 25 | Renuka P. Bhusari ✓ | |
| 26 | Rushikesh N. Daware | |
| 27 | Saurav P. Gadling ✓ | |
| 28 | Shraddha A. Garud ✓ | |
| 29 | Vaishnavi N. Kokate ✓ | |
| 30 | Vaishnavi V. Gulhane ✓ | |
| 31 | Wrushali R. Malwar ✓ | |
| 32 | Akshay R. Ingle ✓ | |
| 33 | Chetana D. Gajbhiye ✓ | C. D. Gajbhiye |
| 34 | Divya P. Nikhade ✓ | |
| 35 | Harshal A. Narode | |
| 36 | Mahak S. Mokati ✓ | M.S. Mokati |
| 37 | Papiha R. Dable ✓ | |
| 38 | Pratiksha K. Vakil ✓ | |
| 39 | Purvesh T. Chandak ✓ | |
| 40 | Ranu J. Sonone ✓ | |
| 41 | Renuka S. Borkar ✓ | |
| 42 | Rupali B. Talan ✓ | |
| 43 | Sakshi R. Raut ✓ | |
| 44 | Sakshi V. Rathod ✓ | |
| 45 | Samruddhi S. Dongare ✓ | |
| 46 | Sana Afreen. Shakeel Ahmad ✓ | |
| 47 | Snehal S. Masram ✓ | |
| 48 | Unnati H. Athawale ✓ | U. H. Athawale |
| 49 | Vaishali G. Patil ✓ | |
| 50 | Vaishnavi N. Gupta ✓ | |
| 51 | Rutuja G. Bhoyar ✓ | |

Present = 51 Absent = 00

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## Record of Internal Assessment Marks of Project Assignment (2019-2020)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc. Part II ( Semester – III) Subject : **Microbiology** Paper- 3 S Microbiology (Molecular Biology & Genetic Engineering )

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | Adarsh T. Upadhyay 2240 | 31.08.2019 | 27.09.2019 | 04 |
| 2 | Aishwarya V.Shastrakar 2226 | 31.08.2019 | 01.10.2019 | 04 |
| 3 | Anjali N. Funde 2239 | 31.08.2019 | 26.09.2019 | 04 |
| 4 | Aparna S. Tarale 2217 | 31.08.2019 | 01.10.2019 | 04 |
| 5 | Apurva M. Pawar 2309 | 31.08.2019 | 26.09.2019 | 04 |
| 6 | Bhagyashri S. Kasturkar 2213 | 31.08.2019 | 26.09. 2019 | 04 |
| 7 | Bhavisha D. Dhandukiya 2293 | 31.08.2019 | 27.09. 2019 | 04 |
| 8 | Gaurav R. Meshram 2316 | 31.08.2019 | 27.09. 2019 | 04 |
| 9 | Harshali M. Shrirame 2234 | 31.08.2019 | 26.09. 2019 | 04 |
| 10 | Kallyani R. Saundarkar 2287 | 31.08.2019 | 26.09. 2019 | 04 |
| 11 | Kartik S. Deogade 2238 | 31.08.2019 | 27.09. 2019 | 04 |
| 12 | Komal R. Virulakar 2271 | 31.08.2019 | 27.09. 2019 | 04 |
| 13 | Manisha R. Himane 2235 | 31.08.2019 | 01.10. 2019 | 04 |
| 14 | Mrunal S. Dhemre 2259 | 31.08.2019 | 26.09. 2019 | 04 |
| 15 | Neha D. Bedurkar 2210 | 31.08.2019 | 01.10. 2019 | 04 |
| 16 | Nikita S. Dighade 2327 | 31.08.2019 | 01.10. 2019 | 04 |
| 17 | Niyati S. Kucheriya 2283 | 31.08.2019 | 27.09. 2019 | 04 |
| 18 | Prachi R. Bansod 2207 | 31.08.2019 | 26.09. 2019 | 04 |
| 19 | Pranita N. Ambatkar 2306 | 31.08.2019 | 26.09. 2019 | 04 |
| 20 | Pranjali P. Titare 2322 | 31.08.2019 | 26.09. 2019 | 04 |
| 21 | Pratiksha R. Bhoyar 2247 | 31.08.2019 | 27.09. 2019 | 04 |
| 22 | Puja S. Ambadare 2229 | 31.08.2019 | 01.10. 2019 | 04 |
| 23 | Purvesh P. Kanere 2301 | 31.08.2019 | 27.09. 2019 | 04 |
| 24 | Radhika R. Raut 2278 | 31.08.2019 | 26.09. 2019 | 04 |
| 25 | Renuka P. Bhusari 2209 | 31.08.2019 | 27.09. 2019 | 04 |
| 26 | Rushikesh N. Daware 2274 | 31.08.2019 | 27.09. 2019 | 04 |
| 27 | Saurav P. Gadling 2216 | 31.08.2019 | 27.09. 2019 | 04 |
| 28 | Shraddha A. Garud 2280 | 31.08.2019 | 01.10. 2019 | 04 |
| 29 | Vaishnavi N. Kokate 2256 | 31.08.2019 | 26.09. 2019 | 04 |
| 30 | Vaishnavi V. Gulhane 2295 | 31.08.2019 | 01.10. 2019 | 04 |
| 31 | Wrushali R. Malwar 2242 | 31.08.2019 | 26.09. 2019. | 04 |
| 32 | Akshay R. Ingle 2297 | 31.08.2019 | 27.09. 2019 | 04 |
| 33 | Chetana D. Gajbhiye 2270 | 31.08.2019 | 01.10. 2019 | 04 |
| 34 | Divya P. Nikhade 2304 | 31.08.2019 | 26.09. 2019 | 04 |
| 35 | Harshal A. Narode 2221 | 31.08.2019 | 27.09. 2019 | 04 |
| 36 | Mahak S. Mokati 2263 | 31.08.2019 | 26.09. 2019 | 04 |
| 37 | Papiha R. Dable 2266 | 31.08.2019 | 01.102019 | 04 |
| 38 | Pratiksha K. Vakil 2318 | 31.08.2019 | 26.09. 2019 | 04 |
| 39 | Purvesh T. Chandak 2249 | 31.08.2019 | 27.09. 2019 | 04 |
| 40 | Ranu J. Sonone 2292 | 31.08.2019 | 01.10. 2019 | 04 |
| 41 | Renuka S. Borkar 2237 | 31.08.2019 | 26.09. 2019 | 04 |
| 42 | Rupali B. Talan 2279 | 31.08.2019 | 04.10. 2019 | 04 |
| 43 | Sakshi R. Raut 2311 | 31.08.2019 | 26.09. 2019 | 04 |
| 44 | Sakshi V. Rathod 2312 | 31.08.2019 | 01.10. 2019 | 04 |
| 45 | Samruddhi S. Dongare (2315) | 31.08.2019 | 01.10. 2019 | 04 |
| 46 | Sana Afreen. Shakeel Ahmad 2303 | 31.08.2019 | 01.10. 2019 | 04 |
| 47 | Snehal S. Masram 2284 | 31.08.2019 | 26.09. 2019 | 04 |
| 48 | Unnati H. Athawale 2251 | 31.08.2019 | 01.10. 2019 | 04 |
| 49 | Vaishali G. Patil 2232 | 31.08.2019 | 27.09. 2019 | 04 |
| 50 | Vaishnavi N. Gupta 2202 | 31.08.2019 | 01.10. 2019 | 04 |
| 51 | Rutuja G. Bhoyar | 31.08.2019 | 04.10. 2019 | 04 |
| | TOTAL (1 TO 51) | | | 204 |

(50)

Name and Signature of Teacher

Principal
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Mahavidyalaya

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**Record of Record of Class Tests** (2019-2020)

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – III)** Subject : **Microbiology** Paper- 3 S Microbiology (Molecular Biology & Genetic Engineering)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Class Test Date: 27.09.2019 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Mark | Mark Obtained | Pass/ Fail | |
| 1 | Adarsh T. Upadhyay | 30 | 24 | Pass | 10 |
| 2 | Aishwarya V.Shastrakar | 30 | 24 | Pass | 10 |
| 3 | Anjali N. Funde | 30 | 25 | Pass | 10 |
| 4 | Aparna S. Tarale | 30 | 25 | Pass | 10 |
| 5 | Apurva M. Pawar | 30 | 24 | Pass | 10 |
| 6 | Bhagyashri S. Kasturkar | 30 | 24 | Pass | 10 |
| 7 | Bhavisha D. Dhandukiya | 30 | 24 | Pass | 10 |
| 8 | Gaurav R. Meshram | 30 | 27 | Pass | 10 |
| 9 | Harshali M. Shrirame | 30 | 24 | Pass | 10 |
| 10 | Kallyani R. Saundarkar | 30 | 24 | Pass | 10 |
| 11 | Kartik S. Deogade | 30 | 24 | Pass | 10 |
| 12 | Komal R. Virulakar | 30 | 27 | Pass | 10 |
| 13 | Manisha R. Himane | 30 | 25 | Pass | 10 |
| 14 | Mrunal S. Dhemre | 30 | 24 | Pass | 10 |
| 15 | Neha D. Bedurkar | 30 | 24 | Pass | 10 |
| 16 | Nikita S. Dighade | 30 | 24 | Pass | 10 |
| 17 | Niyati S. Kucheriya | 30 | 28 | Pass | 10 |
| 18 | Prachi R. Bansod | 30 | 25 | Pass | 10 |
| 19 | Pranita N. Ambatkar | 30 | 25 | Pass | 10 |
| 20 | Pranjali P. Titare | 30 | 24 | Pass | 10 |
| 21 | Pratiksha R. Bhoyar | 30 | 25 | Pass | 10 |
| 22 | Puja S. Ambadare | 30 | 24 | Pass | 10 |
| 23 | Purvesh P. Kanere | 30 | 26 | Pass | 10 |
| 24 | Radhika R. Raut | 30 | 28 | Pass | 10 |
| 25 | Renuka P. Bhusari | 30 | 25 | Pass | 10 |
| 26 | Rushikesh N. Daware | 30 | 24 | Pass | 10 |
| 27 | Saurav P. Gadling | 30 | 29 | Pass | 10 |
| 28 | Shraddha A. Garud | 30 | 25 | Pass | 10 |
| 29 | Vaishnavi N. Kokate | 30 | 28 | Pass | 10 |
| 30 | Vaishnavi V. Gulhane | 30 | 24 | Pass | 10 |
| 31 | Wrushali R. Malwar | 30 | 24 | Pass | 10 |
| 32 | Akshay R. Ingle | 30 | 24 | Pass | 10 |
| 33 | Chetana D. Gajbhiye | 30 | 24 | Pass | 10 |
| 34 | Divya P. Nikhade | 30 | 25 | Pass | 10 |
| 35 | Harshal A. Narode | 30 | 24 | Pass | 10 |
| 36 | Mahak S. Mokati | 30 | 24 | Pass | 10 |
| 37 | Papiha R. Dable | 30 | 28 | Pass | 10 |
| 38 | Pratiksha K. Vakil | 30 | 24 | Pass | 10 |
| 39 | Purvesh T. Chandak | 30 | 25 | Pass | 10 |
| 40 | Ranu J. Sonone | 30 | 24 | Pass | 10 |
| 41 | Renuka S. Borkar | 30 | 27 | Pass | 10 |
| 42 | Rupali B. Talan | 30 | 29 | Pass | 10 |
| 43 | Sakshi R. Raut | 30 | 24 | Pass | 10 |
| 44 | Sakshi V. Rathod | 30 | 26 | Pass | 10 |
| 45 | Samruddhi S. Dongare | 30 | 24 | Pass | 10 |
| 46 | Sana Afreen. Shakeel Ahmad | 30 | 28 | Pass | 10 |
| 47 | Snehal S. Masram | 30 | 24 | Pass | 10 |
| 48 | Unnati H. Athawale | 30 | 26 | Pass | 10 |
| 49 | Vaishali G. Patil | 30 | 25 | Pass | 10 |
| 50 | Vaishnavi N. Gupta | 30 | 24 | Pass | 10 |
| 51 | Rutuja G. Bhoyar | 30 | 24 | Pass | 10 |
| | TOTAL (1 TO 51) | | | | **510** |

Name and Signature of Teacher

Principal
Sant Gadge Baba Amravati University, Amravati
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla

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**Seminar / Group Discussion/ Study Tour (2019-2020)**

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – III)** Subject : **Microbiology** Paper- 3 S Microbiology (Molecular Biology & Genetic Engineering)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Seminar topic | Date Of seminar | Marks Awarded |
|---|---|---|---|---|
| 1 | Adarsh T. Upadhyay | Physical mutagens | 04.10.2019 | 06 |
| 2 | Aishwarya V.Shastrakar | Polymerase chain reaction PCR | 04.10.2019 | 06 |
| 3 | Anjali N. Funde | Isolation of genomic DNA from bacteria | 04.10.2019 | 06 |
| 4 | Aparna S. Tarale | Mutation by acrydene dyes | 07.10.2019 | 06 |
| 5 | Apurva M. Pawar | Characters of genetic code | 04.10.2019 | 06 |
| 6 | Bhagyashri S. Kasturkar | DNA replication mechanism | 05.10.2019 | 06 |
| 7 | Bhavisha D. Dhandukiya | Health benefits of probiotics | 05.10.2019 | 06 |
| 8 | Gaurav R. Meshram | Induced mutation by ultraviolet radiations | 04.10.2019 | 06 |
| 9 | Harshali M. Shrirame | Vectors used in gene cloning | 04.10.2019 | 06 |
| 10 | Kallyani R. Saundarkar | Probiotic organisms | 04.10.2019 | 06 |
| 11 | Kartik S. Deogade | Restriction endonuclease | 05.10.2019 | 06 |
| 12 | Komal R. Virulakar | Construction of gene library | 04.10.2019 | 06 |
| 13 | Manisha R. Himane | DNA probes in disease diagnosis | 04.10.2019 | 06 |
| 14 | Mrunal S. Dhemre | Agarose gel electrophoresis | 04.10.2019 | 06 |
| 15 | Neha D. Bedurkar | DNA replication process | 11.10.2019 | 06 |
| 16 | Nikita S. Dighade | Isolation of plasmid DNA from bacteria | 05.10.2019 | 06 |
| 17 | Niyati S. Kucheriya | Recombinant insulin | 05.10.2019 | 06 |
| 18 | Prachi R. Bansod | Transgenic plants | 05.10.2019 | 06 |
| 19 | Pranita N. Ambatkar | DNA ligase | 05.10.2019 | 06 |
| 20 | Pranjali P. Titare | DNA polymerase | 05.10.2019 | 06 |
| 21 | Pratiksha R. Bhoyar | Chemical mutagens | 05.10.2019 | 06 |
| 22 | Puja S. Ambadare | Hfr formation | 11.10.2019 | 06 |
| 23 | Purvesh P. Kanere | Nucleases | 05.10.2019 | 06 |
| 24 | Radhika R. Raut | Enzymes for splicing | 05.10.2019 | 06 |
| 25 | Renuka P. Bhusari | Plasmids as vectors | 05.10.2019 | 06 |
| 26 | Rushikesh N. Daware | Cosmids | 07.10.2019 | 06 |
| 27 | Saurav P. Gadling | Vectors used in genetic engineering | 05.10.2019 | 06 |
| 28 | Shraddha A. Garud | Mutation by X rays | 05.10.2019 | 06 |
| 29 | Vaishnavi N. Kokate | Mutation by UV rays | 05.10.2019 | 06 |
| 30 | Vaishnavi V. Gulhane | Dark repair mechanism | 05.10.2019 | 06 |
| 31 | Wrushali R. Malwar | Transcription | 05.10.2019 | 06 |
| 32 | Akshay R. Ingle | Enzymes involved in DNA replication | ? --- | 00 |
| 33 | Chetana D. Gajbhiye | Induced mutations | 23.10.2019 | 06 |
| 34 | Divya P. Nikhade | Spontaneous mutation | 11.10.2019 | 06 |
| 35 | Harshal A. Narode | Conjugation between F+ and F- cell | 11.10.2019 | 06 |
| 36 | Mahak S. Mokati | Lac operon | 09.10.2019 | 06 |
| 37 | Papiha R. Dable | Griffith experiment on transformation | 05.10.2019 | 06 |
| 38 | Pratiksha K. Vakil | Basic technique of genetic engineering | 09.10.2019 | 06 |
| 39 | Purvesh T. Chandak | Transgenic plants | 11.10.2019 | 06 |
| 40 | Ranu J. Sonone | Mechanism of transformation | 07.10.2019 | 06 |
| 41 | Renuka S. Borkar | Lederberg – Tatum experiment on conjugation | 07.10.2019 | 06 |
| 42 | Rupali B. Talan | Spontaneous mutation | 07.10.2019 | 06 |
| 43 | Sakshi R. Raut | Mechanism of transduction | 09.10.2019 | 06 |
| 44 | Sakshi V. Rathod | Models of DNA replication | 09.10.2019 | 06 |
| 45 | Samruddhi S. Dongare | Davis experiment on conjugation | 07.10.2019 | 06 |
| 46 | Sana Afreen. Shakeel Ahmad | Expt proving DNA as a carrier of gen information | 05.10.2019 | 06 |
| 47 | Snehal S. Masram | Lederberg – Zinder experiment on transduction | 09.10.2019 | 06 |
| 48 | Unnati H. Athawale | General mechanism of transduction | 07.10.2019 | 06 |
| 49 | Vaishali G. Patil | Outline of translation | 07.10.2019 | 06 |
| 50 | Vaishnavi N. Gupta | Overlapping genes | 11.10.2019 | 06 |
| 51 | Rutuja G. Bhoyar | Rolling Circle Model of DNA replication | 19.10.2019 | 06 |
| | TOTAL (1 TO 51) | | | |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,

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**Consolidated Records of Internal Assignment Marks 2019-2020**

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – III)** Subject : **Microbiology** Paper- 3.5 Microbiology (Molecular Biology & Gen.Engineering)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S.N. | Name Of Student | Project Assignment Max. Marks:- 04 | Seminar Max. Marks:-06 | Class Tests Max. Marks:- 10 | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| 1 | Adarsh T. Upadhyay | 04 | 06 | 10 | 20 |
| 2 | Aishwarya V. Shastrakar | 04 | 06 | 10 | 20 |
| 3 | Anjali N. Funde | 04 | 06 | 10 | 20 |
| 4 | Aparna S. Tarale | 04 | 06 | 10 | 20 |
| 5 | Apurva M. Pawar | 04 | 06 | 10 | 20 |
| 6 | Bhagyashri S. Kasturkar | 04 | 06 | 10 | 20 |
| 7 | Bhavisha D. Dhandukiya | 04 | 06 | 10 | 20 |
| 8 | Gaurav R. Meshram | 04 | 06 | 10 | 20 |
| 9 | Harshali M. Shriramе | 04 | 06 | 10 | 20 |
| 10 | Kallyani R. Saundarkar | 04 | 06 | 10 | 20 |
| 11 | Kartik S. Deogade | 04 | 06 | 10 | 20 |
| 12 | Komal R. Virulakar | 04 | 06 | 10 | 20 |
| 13 | Manisha R. Himane | 04 | 06 | 10 | 20 |
| 14 | Mrunal S. Dhemre | 04 | 06 | 10 | 20 |
| 15 | Neha D. Bedurkar | 04 | 06 | 10 | 20 |
| 16 | Nikita S. Dighade | 04 | 06 | 10 | 20 |
| 17 | Niyati S. Kucheriya | 04 | 06 | 10 | 20 |
| 18 | Prachi R. Bansod | 04 | 06 | 10 | 20 |
| 19 | Pranita N. Ambatkar | 04 | 06 | 10 | 20 |
| 20 | Pranjali P. Titare | 04 | 06 | 10 | 20 |
| 21 | Pratiksha R. Bhoyar | 04 | 06 | 10 | 20 |
| 22 | Puja S. Ambadare | 04 | 06 | 10 | 20 |
| 23 | Purvesh P. Kanere | 04 | 06 | 10 | 20 |
| 24 | Radhika R. Raut | 04 | 06 | 10 | 20 |
| 25 | Renuka P. Bhusari | 04 | 06 | 10 | 20 |
| 26 | Rushikesh N. Daware | 04 | 06 | 10 | 20 |
| 27 | Saurav P. Gadling | 04 | 06 | 10 | 20 |
| 28 | Shraddha A. Garud | 04 | 06 | 10 | 20 |
| 29 | Vaishnavi N. Kokate | 04 | 06 | 10 | 20 |
| 30 | Vaishnavi V. Gulhane | 04 | 06 | 10 | 20 |
| 31 | Wrushali R. Malwar | 04 | 00 | 10 | 14 |
| 32 | Akshay R. Ingle | 04 | 06 | 10 | 20 |
| 33 | Chetana D. Gajbhiye | 04 | 06 | 10 | 20 |
| 34 | Divya P. Nikhade | 04 | 06 | 10 | 20 |
| 35 | Harshal A. Narode | 04 | 06 | 10 | 20 |
| 36 | Mahak S. Mokati | 04 | 06 | 10 | 20 |
| 37 | Papiha R. Dable | 04 | 06 | 10 | 20 |
| 38 | Pratiksha K. Vakil | 04 | 06 | 10 | 20 |
| 39 | Purvesh T. Chandak | 04 | 06 | 10 | 20 |
| 40 | Ranu J. Sonone | 04 | 06 | 10 | 20 |
| 41 | Renuka S. Borkar | 04 | 06 | 10 | 20 |
| 42 | Rupali B. Talan | 04 | 06 | 10 | 20 |
| 43 | Sakshi R. Raut | 04 | 06 | 10 | 20 |
| 44 | Sakshi V. Rathod | 04 | 06 | 10 | 20 |
| 45 | Samruddhi S. Dongare | 04 | 06 | 10 | 20 |
| 46 | Sana Afreen. Shakeel Ahmad | 04 | 06 | 10 | 20 |
| 47 | Snehal S. Masram | 04 | 06 | 10 | 20 |
| 48 | Unnati H. Athawale | 04 | 06 | 10 | 20 |
| 49 | Vaishali G. Patil | 04 | 06 | 10 | 20 |
| 50 | Vaishnavi N. Gupta | 04 | 06 | 10 | 20 |
| 51 | Rutuja G. Bhoyar | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 51) | 204 | 300 | 510 | 1020 |

Name and Signature of Teacher

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Consolidated Records of Internal Assignment Marks 2019-2020**

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – III)** Subject : **Microbiology** Paper- 3 S Microbiology (Molecular Biology & Gen.Engineering)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment Max. Marks:- 04 | Seminar Max. Marks:-06 | Class Tests Max. Marks:- 10 | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| 1 | Adarsh T. Upadhyay 2240 | 04 | 06 | 10 | 20 |
| 2 | Aishwarya V.Shastrakar 2226 | 04 | 06 | 10 | 20 |
| 3 | Anjali N. Funde 2239 | 04 | 06 | 10 | 20 |
| 4 | Aparna S. Tarale 2217 | 04 | 06 | 10 | 20 |
| 5 | Apurva M. Pawar 2309 | 04 | 06 | 10 | 20 |
| 6 | Bhagyashri S. Kasturkar 2213 | 04 | 06 | 10 | 20 |
| 7 | Bhavisha D. Dhandukiya 2293 | 04 | 06 | 10 | 20 |
| 8 | Gaurav R. Meshram 2316 | 04 | 06 | 10 | 20 |
| 9 | Harshali M. Shrirame 2234 | 04 | 06 | 10 | 20 |
| 10 | Kallyani R. Saundarkar 2287 | 04 | 06 | 10 | 20 |
| 11 | Kartik S. Deogade 2238 | 04 | 06 | 10 | 20 |
| 12 | Komal R. Virulakar 2271 | 04 | 06 | 10 | 20 |
| 13 | Manisha R. Himane 2235 | 04 | 06 | 10 | 20 |
| 14 | Mrunal S. Dhemre 2259 | 04 | 06 | 10 | 20 |
| 15 | Neha D. Bedurkar 2210 | 04 | 06 | 10 | 20 |
| 16 | Nikita S. Dighade 2327 | 04 | 06 | 10 | 20 |
| 17 | Niyati S. Kucheriya 2283 | 04 | 06 | 10 | 20 |
| 18 | Prachi R. Bansod 2207 | 04 | 06 | 10 | 20 |
| 19 | Pranita N. Ambatkar 2306 | 04 | 06 | 10 | 20 |
| 20 | Pranjali P. Titare 2322 | 04 | 06 | 10 | 20 |
| 21 | Pratiksha R. Bhoyar 2247 | 04 | 06 | 10 | 20 |
| 22 | Puja S. Ambadare 2229 | 04 | 06 | 10 | 20 |
| 23 | Purvesh P. Kanere 2301 | 04 | 06 | 10 | 20 |
| 24 | Radhika R. Raut 2278 | 04 | 06 | 10 | 20 |
| 25 | Renuka P. Bhusari 2209 | 04 | 06 | 10 | 20 |
| 26 | Rushikesh N. Daware 2274 | 04 | 06 | 10 | 20 |
| 27 | Saurav P. Gadling 2216 | 04 | 06 | 10 | 20 |
| 28 | Shraddha A. Garud 2280 | 04 | 06 | 10 | 20 |
| 29 | Vaishnavi N. Kokate 2256 | 04 | 06 | 10 | 20 |
| 30 | Vaishnavi V. Gulhane 2295 | 04 | 06 | 10 | 20 |
| 31 | Wrushali R. Malwar 2242 | 04 | 06 | 10 | 20 |
| 32 | Akshay R. Ingle 2297 | 04 | 00 | 10 | 14 |
| 33 | Chetana D. Gajbhiye 2270 | 04 | 06 | 10 | 20 Kamble |
| 34 | Divya P. Nikhade 2304 | 04 | 06 | 10 | 20 |
| 35 | Harshal A. Narode 2221 | 04 | 06 | 10 | 20 |
| 36 | Mahak S. Mokati 2263 | 04 | 06 | 10 | 20 |
| 37 | Papiha R. Dable 2266 | 04 | 06 | 10 | 20 |
| 38 | Pratiksha K. Vakil 2318 | 04 | 06 | 10 | 20 |
| 39 | Purvesh T. Chandak 2249 | 04 | 06 | 10 | 20 |
| 40 | Ranu J. Sonone 2292 | 04 | 06 | 10 | 20 |
| 41 | Renuka S. Borkar 2237 | 04 | 06 | 10 | 20 |
| 42 | Rupali B. Talan 2279 | 04 | 06 | 10 | 20 |
| 43 | Sakshi R. Raut 2311 | 04 | 06 | 10 | 20 |
| 44 | Sakshi V. Rathod 2312 | 04 | 06 | 10 | 20 |
| 45 | Samruddhi S. Dongare 2315 | 04 | 06 | 10 | 20 |
| 46 | Sana Afreen. Shakeel Ahmad 2303 | 04 | 06 | 10 | 20 |
| 47 | Snehal S. Masram 2284 | 04 | 06 | 10 | 20 |
| 48 | Unnati H. Athawale 2251 | 04 | 06 | 10 | 20 |
| 49 | Vaishali G. Patil 2232 | 04 | 06 | 10 | 20 |
| 50 | Vaishnavi N. Gupta 2202 | 04 | 06 | 10 | 20 |
| 51 | Rutuja G. Bhoyar | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 51) | 204 | ~~306~~ 300 | 510 | ~~1020~~ 1014 |

Name and Signature of Teacher

Principal
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya Dhamangaon Rly.

Signature of H. O. D.
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya.

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 13/08/2019**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their topic for project assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for project assignment and submit the project assignment on or before 26th August 2019.

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 13/08/2019**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their topic for seminar (as a part of their internal assessment) has been finalized. Students are advised to note their topics.

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Record of Class Test (2019-2020)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)

Name of Teacher : Dr. G. N. Budhlani
Designation : Associate Professor
Max.Marks:10

| Sr. No | Name of the student | CLASS TEST/ Date:22.08.2019 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Marks | Marks | Pass/ Fail | |
| 1 | Ku. Aasiya P. S. Husain | 30 | 25 | Pass | 10 |
| 2 | Ku. Aishwarya S. Kale | 30 | 27 | Pass | 10 |
| 3 | Ku. Anushri D. Nagpure | 30 | 26 | Pass | 10 |
| 4 | Ku. Aparna D. Uike | 30 | 24 | Pass | 10 |
| 5 | Ku. Hema S. Jagtap | 30 | 27 | Pass | 10 |
| 6 | Himanshu S. Shende | 30 | 24 | Pass | 10 |
| 7 | Ku. Jayashree R. Yende | 30 | 26 | Pass | 10 |
| 8 | Mayur O. Titare | 30 | 26 | Pass | 10 |
| 9 | Ku. Nikita P. Jadhao | 30 | 26 | Pass | 10 |
| 10 | Ku. Nutan B. Lawankar | 30 | 27 | Pass | 10 |
| 11 | Owes R. Mugal | 30 | 25 | Pass | 10 |
| 12 | Ku. Piyusha D. Kalbande | 30 | 26 | Pass | 10 |
| 13 | Ku. Pratiksha G. Tarpe | 30 | 24 | Pass | 10 |
| 14 | Ku. Rachana R. Sharma | 30 | 25 | Pass | 10 |
| 15 | Ku. Riddhi V. Bhande | 30 | 25 | Pass | 10 |
| 16 | Sagar G. Sontakke | 30 | 25 | Pass | 10 |
| 17 | Ku. Sakshi S. Mohod | 30 | 24 | Pass | 10 |
| 18 | Ku. Samruddhi V. Mahalle | 30 | 27 | Pass | 10 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 30 | 24 | Pass | 10 |
| 20 | Ku. Vaishnavi S. Chandak | 30 | 27 | Pass | 10 |
| 21 | Ku. Vaishnavi V. Rannaware | 30 | 26 | Pass | 10 |
| 22 | Ku. Zarrin Fatema Z. | 30 | 26 | Pass | 10 |
| 23 | Ku. Akansha S. Chaudhari | 30 | 25 | Pass | 10 |
| 24 | Ku. Amruta P. Gorde | 30 | 27 | Pass | 10 |
| 25 | Ku. Ashwini S. Patil | 30 | 24 | Pass | 10 |
| 26 | Ku. Dipali K. Joi | 30 | 27 | Pass | 10 |
| 27 | Ku. Harshada Y. Bhendarkar | 30 | 26 | Pass | 10 |
| 28 | Ku. Kajal R. Panpaliya | 30 | 26 | Pass | 10 |
| 29 | Ku. Manasi L. Ranit | 30 | 27 | Pass | 10 |
| 30 | Ku. Nikita A. Sontakke | 30 | 25 | Pass | 10 |
| 31 | Ku. Nikita R. Dole | 30 | 27 | Pass | 10 |
| 32 | Ku. Papiha P. Zele | 30 | 24 | Pass | 10 |
| 33 | Ku. Payal S. Bansod | 30 | 26 | Pass | 10 |
| 34 | Ku. Pooja D. Khadse | 30 | 26 | Pass | 10 |
| 35 | Ku. Pranjali S. Lute | 30 | 27 | Pass | 10 |
| 36 | Ku. Pratiksha R. Thakare | 30 | 27 | Pass | 10 |
| 37 | Ku. Pratiksha V. Yesankar | 30 | 24 | Pass | 10 |
| 38 | Ku. Prerana S. Kharapkar | 30 | 26 | Pass | 10 |
| 39 | Ku. Roshani A. Hiware | 30 | 26 | Pass | 10 |
| 40 | Ku. Sakshi S. Thakare | 30 | 24 | Pass | 10 |
| 41 | Ku. Sakshi V. Bhoge | 30 | 24 | Pass | 10 |
| 42 | Ku. Samiksha S. Thakare | 30 | 26 | Pass | 10 |
| 43 | Ku. Sanaparvin K. Shah | 30 | 26 | Pass | 10 |
| 44 | Ku. Shivani S. Kawde | 30 | 27 | Pass | 10 |
| 45 | Ku. Shraddha S. Kamble | 30 | 24 | Pass | 10 |
| 46 | Ku. Sneha S. Padole | 30 | 26 | Pass | 10 |
| 47 | Ku. Snehal S. Sawant | 30 | 26 | Pass | 10 |
| 48 | Ku. Vaishnavi G. Gulhane | 30 | 27 | Pass | 10 |
| 49 | Ku. Vaishnavi S. Thakare | 30 | 27 | Pass | 10 |
| 50 | Ku. Vineshwari N. Alone | 30 | 24 | Pass | 10 |
| 51 | Ku. Vrushali P. Pinjari | 30 | 26 | Pass | 10 |
| | TOTAL (1 TO 53) | 1530 | 1309 | | 510 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 17 .10.19

Verified
Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,

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Sant Gadge Baba Amravati University, Amravati

Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly

Record of Internal Assessment Marks of Seminar (2019-2020)

Class : B.Sc. Part III ( Semester–V)

Subject : Microbiology

Paper (With Title) –5 S Microbiology

(Environmental Microbiology and Bioinstrumentation)

Name of Teacher : Dr. G. N. Budhlani

Designation : Associate Professor

Max.Marks:06

| Sr. | Name of the Student | Seminar Activity / Marks Awarded |
|---|---|---|
| | | Marks Awarded |
| 1 | Ku. Aasiya P. S. Husain | 06 |
| 2 | Ku. Aishwarya S. Kale | 06 |
| 3 | Ku. Anushri D. Nagpure | 06 |
| 4 | Ku. Aparna D. Uike | 06 |
| 5 | Ku. Hema S. Jagtap | 06 |
| 6 | Himanshu S. Shende | 06 |
| 7 | Ku. Jayashree R. Yende | 06 |
| 8 | Mayur O. Titare | 06 |
| 9 | Ku. Nikita P. Jadhao | 06 |
| 10 | Ku. Nutan B. Lawankar | 06 |
| 11 | Owes R. Mugal | 06 |
| 12 | Ku. Piyusha D. Kalbande | 06 |
| 13 | Ku. Pratiksha G. Tarpe | 06 |
| 14 | Ku. Rachana R. Sharma | 06 |
| 15 | Ku. Riddhi V. Bhande | 06 |
| 16 | Sagar G. Sontakke | 06 |
| 17 | Ku. Sakshi S. Mohod | 06 |
| 18 | Ku. Samruddhi V. Mahalle | 06 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 06 |
| 20 | Ku. Vaishnavi S. Chandak | 06 |
| 21 | Ku. Vaishnavi V. Rannaware | 06 |
| 22 | Ku. Zarrin Fatema Z. | 06 |
| 23 | Ku. Akansha S. Chaudhari | 06 |
| 24 | Ku. Amruta P. Gorde | 06 |
| 25 | Ku. Ashwini S. Patil | 06 |
| 26 | Ku. Dipali K. Joi | 06 |
| 27 | Ku. Harshada Y. Bhendarkar | 06 |
| 28 | Ku. Kajal R. Panpaliya | 06 |
| 29 | Ku. Manasi L. Ranit | 06 |
| 30 | Ku. Nikita A. Sontakke | 06 |
| 31 | Ku. Nikita R. Dole | 06 |
| 32 | Ku. Papiha P. Zele | 06 |
| 33 | Ku. Payal S. Bansod | 06 |
| 34 | Ku. Pooja D. Khadse | 06 |
| 35 | Ku. Pranjali S. Lute | 06 |
| 36 | Ku. Pratiksha R. Thakare | 06 |
| 37 | Ku. Pratiksha V. Yesankar | 06 |
| 38 | Ku. Prerana S. Kharapkar | 06 |
| 39 | Ku. Roshani A. Hiware | 06 |
| 40 | Ku. Sakshi S. Thakare | 06 |
| 41 | Ku. Sakshi V. Bhoge | 06 |
| 42 | Ku. Samiksha S. Thakare | 06 |
| 43 | Ku. Sanaparvin K. Shah | 06 |
| 44 | Ku. Shivani S. Kawde | 06 |
| 45 | Ku. Shraddha S. Kamble | 06 |
| 46 | Ku. Sneha S. Padole | 06 |
| 47 | Ku. Snehal S. Sawant | 06 |
| 48 | Ku. Vaishnavi G. Gulhane | 06 |
| 49 | Ku. Vaishnavi S. Thakare | 06 |
| 50 | Ku. Vineshwari N. Alone | 06 |
| 51 | Ku. Vrushali P. Pinjari | 06 |
| | TOTAL (1 TO 51) | 306 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date :17.10.2019

Verified
Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks of Assignments / Project Assignment) (2019-2020)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)

Name of Teacher : Dr. G. N. Budhlani
Designation : Associate Professor
Max.Marks:04

| S.NO. | Name of the student | Project Assignment | | Marks awarded |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 01 | Ku. Aasiya P. S. Husain | 13.08.2019 | 26.08.2019 | 04 |
| 02 | Ku. Aishwarya S. Kale | 13.08.2019 | 26.08.2019 | 04 |
| 03 | Ku. Anushri D. Nagpure | 13.08.2019 | 26.08.2019 | 04 |
| 04 | Ku. Aparna D. Uike | 13.08.2019 | 26.08.2019 | 04 |
| 05 | Ku. Hema S. Jagtap | 13.08.2019 | 26.08.2019 | 04 |
| 06 | Himanshu S. Shende | 13.08.2019 | 26.08.2019 | 04 |
| 07 | Ku. Jayashree R. Yende | 13.08.2019 | 26.08.2019 | 04 |
| 08 | Mayur O. Titare | 13.08.2019 | 26.08.2019 | 04 |
| 09 | Ku. Nikita P. Jadhao | 13.08.2019 | 26.08.2019 | 04 |
| 10 | Ku. Nutan B. Lawankar | 13.08.2019 | 26.08.2019 | 04 |
| 11 | Owes R. Mugal | 13.08.2019 | 26.08.2019 | 04 |
| 12 | Ku. Piyusha D. Kalbande | 13.08.2019 | 26.08.2019 | 04 |
| 13 | Ku. Pratiksha G. Tarpe | 13.08.2019 | 26.08.2019 | 04 |
| 14 | Ku. Rachana R. Sharma | 13.08.2019 | 26.08.2019 | 04 |
| 15 | Ku. Riddhi V. Bhande | 13.08.2019 | 26.08.2019 | 04 |
| 16 | Sagar G. Sontakke | 13.08.2019 | 26.08.2019 | 04 |
| 17 | Ku. Sakshi S. Mohod | 13.08.2019 | 26.08.2019 | 04 |
| 18 | Ku. Samruddhi V. Mahalle | 13.08.2019 | 26.08.2019 | 04 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 13.08.2019 | 26.08.2019 | 04 |
| 20 | Ku. Vaishnavi S. Chandak | 13.08.2019 | 26.08.2019 | 04 |
| 21 | Ku. Vaishnavi V. Rannaware | 13.08.2019 | 26.08.2019 | 04 |
| 22 | Ku. Zarrin Fatema Z. | 13.08.2019 | 26.08.2019 | 04 |
| 23 | Ku. Akansha S. Chaudhari | 13.08.2019 | 26.08.2019 | 04 |
| 24 | Ku. Amruta P. Gorde | 13.08.2019 | 26.08.2019 | 04 |
| 25 | Ku. Ashwini S. Patil | 13.08.2019 | 26.08.2019 | 04 |
| 26 | Ku. Dipali K. Joi | 13.08.2019 | 26.08.2019 | 04 |
| 27 | Ku. Harshada Y. Bhendarkar | 13.08.2019 | 26.08.2019 | 04 |
| 28 | Ku. Kajal R. Panpaliya | 13.08.2019 | 26.08.2019 | 04 |
| 29 | Ku. Manasi L. Ranit | 13.08.2019 | 26.08.2019 | 04 |
| 30 | Ku. Nikita A. Sontakke | 13.08.2019 | 26.08.2019 | 04 |
| 31 | Ku. Nikita R. Dole | 13.08.2019 | 26.08.2019 | 04 |
| 32 | Ku. Papiha P. Zele | 13.08.2019 | 26.08.2019 | 04 |
| 33 | Ku. Payal S. Bansod | 13.08.2019 | 26.08.2019 | 04 |
| 34 | Ku. Pooja D. Khadse | 13.08.2019 | 26.08.2019 | 04 |
| 35 | Ku. Pranjali S. Lute | 13.08.2019 | 26.08.2019 | 04 |
| 36 | Ku. Pratiksha R. Thakare | 13.08.2019 | 26.08.2019 | 04 |
| 37 | Ku. Pratiksha V. Yesankar | 13.08.2019 | 26.08.2019 | 04 |
| 38 | Ku. Prerana S. Kharapkar | 13.08.2019 | 26.08.2019 | 04 |
| 39 | Ku. Roshani A. Hiware | 13.08.2019 | 26.08.2019 | 04 |
| 40 | Ku. Sakshi S. Thakare | 13.08.2019 | 26.08.2019 | 04 |
| 41 | Ku. Sakshi V. Bhoge | 13.08.2019 | 26.08.2019 | 04 |
| 42 | Ku. Samiksha S. Thakare | 13.08.2019 | 26.08.2019 | 04 |
| 43 | Ku. Sanaparvin K. Shah | 13.08.2019 | 26.08.2019 | 04 |
| 44 | Ku. Shivani S. Kawde | 13.08.2019 | 26.08.2019 | 04 |
| 45 | Ku. Shraddha S. Kamble | 13.08.2019 | 26.08.2019 | 04 |
| 46 | Ku. Sneha S. Padole | 13.08.2019 | 26.08.2019 | 04 |
| 47 | Ku. Snehal S. Sawant | 13.08.2019 | 26.08.2019 | 04 |
| 48 | Ku. Vaishnavi G. Gulhane | 13.08.2019 | 26.08.2019 | 04 |
| 49 | Ku. Vaishnavi S. Thakare | 13.08.2019 | 26.08.2019 | 04 |
| 50 | Ku. Vineshwari N. Alone | 13.08.2019 | 26.08.2019 | 04 |
| 51 | Ku. Vrushali P. Pinjari | 13.08.2019 | 26.08.2019 | 04 |
| | | Total of (1 to 51) | | 204 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 17.10.19

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks (2019-2020)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)

Name of Teacher : Dr. G. N. Budhlani
Designation : Associate Professor
Max.Marks:20

| Sr. No. | Name of the Student | Marks Obtained | | | Max. Marks:-20 |
|---|---|---|---|---|---|
| | | Project | Seminar Activity | Class Tests | Total |
| 01 | Ku. Aasiya P. S. Husain 22644 | 04 | 06 | 10 | 20 |
| 02 | Ku. Aishwarya S. Kale 22646 | 04 | 06 | 10 | 20 |
| 03 | Ku. Anushri D. Nagpure 22647 | 04 | 06 | 10 | 20 |
| 04 | Ku. Aparna D. Uike 22648 | 04 | 06 | 10 | 20 |
| 05 | Ku. Hema S. Jagtap 22653 | 04 | 06 | 10 | 20 |
| 06 | Himanshu S. Shende 22639 | 04 | 06 | 10 | 20 |
| 07 | Ku. Jayashree R. Yende 22654 | 04 | 06 | 10 | 20 |
| 08 | Mayur O. Titare 22695 | 04 | 06 | 10 | 20 |
| 09 | Ku. Nikita P. Jadhao 22701 | 04 | 06 | 10 | 20 |
| 10 | Ku. Nutan B. Lawankar 22703 | 04 | 06 | 10 | 20 |
| 11 | Owes R. Mugal 22704 | 04 | 06 | 10 | 20 |
| 12 | Ku. Piyusha D. Kalbande 22668 | 04 | 06 | 10 | 20 |
| 13 | Ku. Pratiksha G. Tarpe 22672 | 04 | 06 | 10 | 20 |
| 14 | Ku. Rachana R. Sharma 22675 | 04 | 06 | 10 | 20 |
| 15 | Ku. Riddhi V. Bhande 22677 | 04 | 06 | 10 | 20 |
| 16 | Sagar G. Sontakke 22721 | 04 | 06 | 10 | 20 |
| 17 | Ku. Sakshi S. Mohod 22679 | 04 | 06 | 10 | 20 |
| 18 | Ku. Samruddhi V. Mahalle 22681 | 04 | 06 | 10 | 20 |
| 19 | Ku. Vaishnavi S. Hiwarkar 22740 | 04 | 06 | 10 | 20 |
| 20 | Ku. Vaishnavi S. Chandak 22690 | 04 | 06 | 10 | 20 |
| 21 | Ku. Vaishnavi V. Rannaware 22691 | 04 | 06 | 10 | 20 |
| 22 | Ku. Zarrin Fatema Z. 22693 | 04 | 06 | 10 | 20 |
| 23 | Ku. Akansha S. Chaudhari 22642 | 04 | 06 | 10 | 20 |
| 24 | Ku. Amruta P. Gorde 22622 | 04 | 06 | 10 | 20 |
| 25 | Ku. Ashwini S. Patil 22631 | 04 | 06 | 10 | 20 |
| 26 | Ku. Dipali K. Joi 22650 | 04 | 06 | 10 | 20 |
| 27 | Ku. Harshada Y. Bhendarkar 22637 | 04 | 06 | 10 | 20 |
| 28 | Ku. Kajal R. Panpaliya 22640 | 04 | 06 | 10 | 20 |
| 29 | Ku. Manasi L. Ranit 22660 | 04 | 06 | 10 | 20 |
| 30 | Ku. Nikita A. Sontakke 22700 | 04 | 06 | 10 | 20 |
| 31 | Ku. Nikita R. Dole 22666 | 04 | 06 | 10 | 20 |
| 32 | Ku. Papiha P. Zele 22667 | 04 | 06 | 10 | 20 |
| 33 | Ku. Payal S. Bansod 22705 | 04 | 06 | 10 | 20 |
| 34 | Ku. Pooja D. Khadse 22706 | 04 | 06 | 10 | 20 |
| 35 | Ku. Pranjali S. Lute 22711 | 04 | 06 | 10 | 20 |
| 36 | Ku. Pratiksha R. Thakare 22673 | 04 | 06 | 10 | 20 |
| 37 | Ku. Pratiksha V. Yesankar 22713 | 04 | 06 | 10 | 20 |
| 38 | Ku. Prerana S. Kharapkar 22714 | 04 | 06 | 10 | 20 |
| 39 | Ku. Roshani A. Hiware 22678 | 04 | 06 | 10 | 20 |
| 40 | Ku. Sakshi S. Thakare 22724 | 04 | 06 | 10 | 20 |
| 41 | Ku. Sakshi V. Bhoge 22726 | 04 | 06 | 10 | 20 |
| 42 | Ku. Samiksha S. Thakare 22728 | 04 | 06 | 10 | 20 |
| 43 | Ku. Sanaparvin K. Shah 22729 | 04 | 06 | 10 | 20 |
| 44 | Ku. Shivani S. Kawde 22731 | 04 | 06 | 10 | 20 |
| 45 | Ku. Shraddha S. Kamble 22682 | 04 | 06 | 10 | 20 |
| 46 | Ku. Sneha S. Padole 22686 | 04 | 06 | 10 | 20 |
| 47 | Ku. Snehal S. Sawant 22687 | 04 | 06 | 10 | 20 |
| 48 | Ku. Vaishnavi G. Gulhane 22684 | 04 | 06 | 10 | 20 |
| 49 | Ku. Vaishnavi S. Thakare 22741 | 04 | 06 | 10 | 20 |
| 50 | Ku. Vineshwari N. Alone 22743 | 04 | 06 | 10 | 20 |
| 51 | Ku. Vrushali P. Pinjari 22746 | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 51) | 204 | 306 | 510 | 1020 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 17.10.19

Verified
PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,
Dhamangaon Rly.

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ADARSHA SCIENCE, JAIRAMDAS BHAGCHAND ARTS & BIRLA COMMERCE
MAHAVIDYALAYA, DHAMANGAON RLY

**DEPARTMENT OF MICROBIOLOGY**

DATE : 13/02/2020

**NOTICE**

All the students of B. Sc. Part I Semester – II Microbiology (Zoology Batch) are hereby informed that their topic for assignment has been finalized. Students are advised to note their topic and submit the assignment on or before 28th February, 2020.

## TOPICS ALLOTTED FOR ASSIGNMENT

| S.N. | Name of Student | Assignment Topic Allotted |
|---|---|---|
| 1 | Ku. Chanchal G. Gawarle | Mechanism of cell injury |
| 2 | Ku. Dineshwari J. Shelar | Applied aspects of microorganisms in agriculture |
| 3 | Gaurav S. Bhoge | Chemotherapeutic agents(penicillin, tetracycline) |
| 4 | Ku. Gauri A. Budhe | Classification of viruses |
| 5 | Ku. Gauri D. Khandarkar | Cultivation of viruses |
| 6 | Ku. Gayatri P. Bante | Control of microorganisms by high temperature |
| 7 | Ku. Isha V. Unone | Control of microorganisms by radiations |
| 8 | Ku. Nikita R. Ghavade | Control of microorganisms by filtration |
| 9 | Ku. Pallavi G. Chimurkar | Control of microorganisms by halogens |
| 10 | Ku. Pradnya M. Wasnik | Control of microorganisms by heavy metals |
| 11 | Ku. Pratiksha G. Bhoyar | Gaseous sterilization |
| 12 | Ku. Priti S. Sultane | Chemotherapeutic agents |
| 13 | Ku. Sakshi A. Nikam | Control of microorganisms by physical agents |
| 14 | Ku. Sakshi M. Shinde | Control of microorganisms by chemical agents |
| 15 | Ku. Sakshi R. Shrirame | Components of computer system |
| 16 | Ku. Sakshi V. Pole | Ms-word |
| 17 | Ku. Samruddhi S. Thakare | Internet – useful applications |
| 18 | Ku. Shreya V. Kandalkar | Creating e-mails |
| 19 | Ku. Shweta B. Kale | Graphical distribution of data |
| 20 | Ku. Sonal P. Parkhade | Tabulation and classification of data |

(Dr. V. A. Kamble)
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,
Dhamangaon Rly.

(Dr. Y. B. Gandole)
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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B.Sc. Part II - Sem IV

**Sant Gadge Baba Amravati University**

**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date: 12.02.2020**

All the students of **B.Sc.I/Semester II (Botany batch)** are hereby informed that their topics for **one assignment (Internal assessment marks)** have been allotted. All students will be required to submit this assignment **on or before 28th Feb 2020**. All are advised to note the same.

**-F6 BATCH (BOTANY)-**

| Sr.No. | Name of Student | Topic |
|---|---|---|
| 01 | Aastha Laxmanrao Wasnik | Explain morphology of viruses with suitable examples and diagrams. |
| 02 | Achal Vijay Nagrikar | Describe LHT system of classification of viruses. |
| 03 | Akash Raju Sawai | Discuss cultivation of viruses by tissue culture method. |
| 04 | Apeksha Shivdatta Garad | Explain lysogeny in detail. |
| 05 | Ashwini Pramodrao Wankhade | Describe a different glycosidic linkages and draw structures of maltose and lactose. |
| 06 | Bhagyashri Vijayrao Wanjari | What are biofertilizers? Give examples and applications. |
| 07 | Diksha Shashikant Choube | Discuss cultivation of viruses by animal inoculation and chick embryo method. |
| 08 | Dinesh Narandraji Dagwar | Discuss moist and dry heat sterilization in detail. |
| 09 | Divya Sunil Chauragade | What are vaccines? Give types and benefits of vaccines. |
| 10 | Janavi Hemrajji Titare | Describe antibiotics in detail |
| 11 | Kanchan Arvind Nyahare | How amino acids are classified? Discuss concept of peptide bond. |
| 12 | Mohini Prakashrao Uike | Give outline of classification of lipids. |
| 13 | Monali Nitinrao Bhure | What is biodegradation? Explain in detail. |
| 14 | Namrata Rahul Manohare | Discuss Watson and Crick model of DNA and explain its structure. |
| 15 | Nikhita Gajanan Karangale | What is biodegradation? Discuss importance of biodegradation in nature. |
| 16 | Nikita Vasant Patil | What are puirnes, pyrimidines, nucleosides and nucleotides. Illustrate with structures. |
| 17 | Palak Avinash Raut | Explain the structure of mRNA |
| 18 | Pallavi Diliprao Golait | Discuss t RNA in brief. |
| 19 | Punam Prakashrao Zite | Give outline of classification of amino acids. |
| 20 | Reena Rameshrao Khandare | What is bioleaching? Explain. |
| 21 | Samiksha Gajanan Thor | Discuss Ribosomal rRNA detail. |
| 22 | Sejal Sudeshrao Arekar | Explain classification of monosaccharides with examples. |
| 23 | Shivani Raju Bhalerao | Explain different types of structures of Proteins. |
| 24 | Shraddha Dattaji Pinjari | Describe various Polysaccharides that you have studied. |
| 25 | Shrutika Arun Bhoyar | What are biopesticides? Give advantages over chemical pesticides. |
| 26 | Sujal Babanrao Choudhari | Describe the structure of viruses. |
| 27 | Vaishnavi Laxmanrao Kardikar | Explain Interferons. |
| 28 | Aakstha A. Lokhande | Discuss concept of saturated and unsaturated fatty acids. |
| 29 | Pratiksha Kishor Parteki | Discuss concept of peptide bond. Illustrate with suitable structure. |
| 30 | Siddhant Rajendrarao Dhokame | Describe bioleaching in detail. |

**(Dr. N.A. Sonune)**

**(Dr. Y. B. Gandole)**
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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# Sant Gadge Baba Amravati University

**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date:20.02.2020**

All the students of **B.Sc.I/SemII** are hereby informed that their **Classtest(Internal assessment marks)**in **Microbiology**will be conducted **on 29th Feb.2020 at 2.55 p.m. onwards in Room No.09.** All students must remain present for this test examination.

| Course | Unit No. I | Viruses |
|---|---|---|
| | | |

20.02.20

(Dr. G.N.Budhlani)

(Dr. Y.B.Gandole)

PRINCIPAL

Adarsha Science, J.B. Arts

& Birla Comm. Mahavidyalaya

Dhamangaon Rly.

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Sant Gadge Baba Amravati University

Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.I(Semester II)

-Class test-

Max. Marks 30

Date:29.02.2020

Time:-2.55 p.m-4.00 p.m.

N.B.:-1) Question No.1 is compulsory and carries six marks without any internal choice.

2) Question No.2 and Question No.3 carry equal marks with internal choice.

Que.1.(A) Fill in the blanks:- ( 2 marks)

(i) Bacterial viruses were discovered by ----------.

(ii) The Russian botanist ---------- discovered TMV viruses.

(B) Choose the correct answer. (2 marks)

(i) Viruses contain ---------as genetic material.

(a) either DNA or RNA (b) only DNA (c) only RNA (d) protein

(ii) Viruses are obligate---------parasites.

(a) extracellular (b) intracellular (c) cellular (d) noncellular

(C) Answer in one sentence only. (2 marks)

(i) Define capsid.

(ii)Give long form of LHT

Que.2. (a) Define: i) Bacteriophage ii) Virion

(b) Describe LHT system of classification. (4)

(c) Describe helical symmetry of viruses with suitable examples. (4)

OR

(a) (i)Prophage (ii) Temperate Phage (4)

(b) Explain anyonemethodofcultivationofviruses. (4)

(c)Drawthe well labeled diagram ofT-4phage. (4)

Que.3. Describe lytic cycle of replication in detail. (12)

OR

Describe lysogeny in detail. Explain Spontaneous induction. (12)

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**Sant Gadge Baba Amravati University**
**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**
**Department of Microbiology**
**B.Sc.I(Semester II)**
**-Class test-**

**Max. Marks 30**

**Date: 29.02.2020** **Time:-2.55 p.m- 04.15 p.m.**

## ATTENDANCE SHEET-
## -F6 BATCH (BOTANY)-

| Sr.No. | Name of Student | Signature | Day of 20 | 12 | 08 |
|---|---|---|---|---|---|
| 01 | AASTHA LAXMANRAO WASNIK | Awasnik. | 29 | 12 | 08 |
| 02 | ACHAL VIJAY NAGRIKAR | AV Nagrikar | 28 | 12 | 08 |
| 03 | AKASH RAJU SAWAI | NA | | | |
| 04 | APEKSHA SHIVDATTA GARAD | Agarad | 26 | 12 | 08 |
| 05 | ASHWINI PRAMODRAO WANKHADE | Wankhade 14-3-2020 | 27 | 12 | 08 |
| 06 | BHAGYASHRI VIJAYRAO WANJARI | Bhagyashri | 27 | 12 | 08 |
| 07 | DIKSHA SHASHIKANT CHOUBE | D.S.choube | 26 | 12 | 08 |
| 08 | DINESH NARANDRAJI DAGWAR | Dagwar | 28 | 12 | 08 |
| 09 | DIVYA SUNIL CHAURAGADE | Divya | 28 | 12 | 08 |
| 10 | JANAVI HEMRAJJI TITARE | Titare | 26 | 12 | 08 |
| 11 | KANCHAN ARVIND NYAHARE | Kyhare | 26 | 12 | 08 |
| 12 | MOHINI PRAKASHRAO UIKE | Mohike | 26 | 12 | 08 |
| 13 | MONALI NITINRAO BHURE | Mnb | 28 | 12 | 08 |
| 14 | NAMRATA RAHUL MANOHARE | | | | |
| 15 | NIKHITA GAJANAN KARANGALE | N.Karangal | 28 | 12 | 08 |
| 16 | NIKITA VASANT PATIL | Patil. | 27 | 12 | 08 |
| 17 | PALAK AVINASH RAUT | Raut | 26 | 12 | 08 |
| 18 | PALLAVI DILIPRAO GOLAIT | Pgolait | 27 | 12 | 08 |
| 19 | PUNAM PRAKASHRAO ZITE | Zite | 27 | 12 | 08 |
| 20 | REENA RAMESHRAO KHANDARE | Rkhandare | 27 | 12 | 08 |
| 21 | SAMIKSHA GAJANAN THOR | Thor | 27 | 12 | 08 |
| 22 | SEJAL SUDESHRAO AREKAR | Arekar. | 28 | 12 | 08 |
| 23 | SHIVANI RAJU BHALERAO | Shivani. | 25 | 12 | 08 |
| 24 | SHRADDHA DATTAJI PINJARI | S.D.pinjari | 26 | 12 | 08 |
| 25 | SHRUTIKA ARUN BHOYAR | Bhoyar. | 24 | 12 | 08 |
| 26 | SEJAL BABANRAO CHOUDHARI | | 26 | 12 | 08 |
| 27 | VAISHNAVI LAXMANRAO KARDIKAR | Vkardikar | 28 | 12 | 08 |
| 28 | AAKSTHA A. LOKHANDE | Alokhande. 14-3-2020 | 26 | 12 | 08 |
| 29 | PRATIKSHA KISHOR PARTEKI | P.K.Parteki. | 24 | 12 | 08 |
| 30 | SIDDHANT RAJENDRARAO DHOKANE | S.R.Dhokane | 28 | 12 | 08 |

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B.Sc. Part II - Sem

Sant Gadge Baba Amravati University
Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly
Department of Microbiology
B.Sc.I(Semester II)
-Class test-

Max. Marks 30

Date: 29.02.2020
Time:-2.55 p.m- 04.15 p.m.

## -ATTENDANCE SHEET-

## F5 BATCH (ZOOLOGY)

| Sr.No. | Name of Student | Signature | out of 30 | out of 12 |
|---|---|---|---|---|
| 01 | CHANCHAL GAJENDRA GAWARLE | Chawarle. | 28 | 12-08 |
| 02 | DINESHWARI JITENDRA SHELAR | Shelar | 26 | 12-08 |
| 03 X | GAURAV SHARAD BHOGE | | | |
| 04 | GAURI ASHOKRAO BUDHE | Budhe | 26 | 12-08 |
| 05 | GAURI DINESH KHANDARKAR | | | 08 |
| 06 | GAYATRI PRAMOD BANTE | | 25 | 12-08 |
| 07 | ISHA VIJAY UNONE | | 26 | 12-08 |
| 08 | NIKITA RAJABHAU GHAVADE | | 27 | 12-08 |
| 09 | PALLAVI GAJANANRAO CHIMURKAR | Chimurkar | 27 | 12-08 |
| 10 | PRADNYA MANIKRAO WASNIK | P.M.Wasnik | 25 | 12-08 |
| 11 | PRATIKSHA GAJANAN BHOYAR | | 27 | 12-08 |
| 12 | PRITI SHANKARRAO SULTANE | | 25 | 12-08 |
| 13 | SAKSHI ANIL NIKAM | | 25 | 12-08 |
| 14 | SAKSHI MANOJ SHINDE | S.M. Shinde | 24 | 12-08 |
| 15 | SAKSHI RAJENDRA SHRIRAME | S.R. Shrirame | 26 | 12-08 |
| 16 | SAKSHI VITTHAL POLE | Pole | 27 | 12-08 |
| 17 X | SAMRUDDHI SACHIN THAKARE | | | |
| 18 | SHREYA VINODRAO KANDALKAR | Shreya | 24 | 12-08 |
| 19 | SHWETA BRAHMANAND KALE | Shweta | 28 | 12-08 |
| 20 | SONAL PRAMODRAO PARKHADE | | | 08 |

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks 2018-2019
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya, Dhamangaon Rly
Class : B.Sc. Part I ( Semester–II)
Subject : Microbiology
Paper (With Title) –2S Microbiology
(Microbiology,Biochemistry,Biostatistics and Computers)

Name of Teacher : Dr. N. A. Sonune

Designation : Assistant Professor
Max. Marks:20

| Sr. No. | Name of the Student | Marks Obtained | | Total Max. Marks:- 20 |
|---|---|---|---|---|
| | | Assignment | Class Tests | |
| 1 | Chanchal Gajendra Gawarle | 08 | 12 | 20 |
| 2 | Dineshwari Jitendra Shelar | 08 | 12 | 20 |
| 3 | Gaurav Sharad Bhoge | 00 | 00 | 00 |
| 4 | Gauri Ashokrao Budhe | 08 | 12 | 20 |
| 5 | Gauri Dinesh Khandarkar | 08 | 00 | 08 |
| 6 | Gayatri Pramod Bante | 08 | 12 | 20 |
| 7 | Isha Vijay Unone | 08 | 12 | 20 |
| 8 | Nikita Rajabhau Ghavade | 08 | 12 | 20 |
| 9 | Pallavi Gajananrao Chimurkar | 08 | 12 | 20 |
| 10 | Pradnya Manikrao Wasnik | 08 | 12 | 20 |
| 11 | Pratiksha Gajanan Bhoyar | 08 | 12 | 20 |
| 12 | Priti Shankarrao Sultane | 08 | 12 | 20 |
| 13 | Sakshi Anil Nikam | 08 | 12 | 20 |
| 14 | Sakshi Manoj Shinde | 08 | 12 | 20 |
| 15 | Sakshi Rajendra Shrirame | 08 | 12 | 20 |
| 16 | Sakshi Vitthal Pole | 00 | 00 | 00 |
| 17 | Samruddhi Sachin Thakare | 08 | 12 | 20 |
| 18 | Shreya Vinodrao Kandalkar | 08 | 12 | 20 |
| 19 | Shweta Brahmanand Kale | 08 | 12 | 20 |
| 20 | Siddhant Rajendrarao Dhokame | 08 | 00 | 08 |
| 21 | Sonal Pramodrao Parkhade | 08 | 12 | 20 |
| 22 | Aastha Laxmanrao Wasnik | 08 | 12 | 20 |
| 23 | Achal Vijay Nagrikar | 00 | 00 | 00 |
| 24 | Akash Raju Sawai | 08 | 12 | 20 |
| 25 | Apeksha Shivdatta Garad | 08 | 12 | 20 |
| 26 | Ashwini Pramodrao Wankhade | 08 | 12 | 20 |
| 27 | Bhagyashri Vijayrao Wanjari | 08 | 12 | 20 |
| 28 | Diksha Shashikant Choube | 08 | 12 | 20 |
| 29 | Dinesh Narandraji Dagwar | 08 | 12 | 20 |
| 30 | Divya Sunil Chauragade | 08 | 12 | 20 |
| 31 | Janavi Hemrajji Titare | 08 | 12 | 20 |
| 32 | Kanchan Arvind Nyahare | 08 | 12 | 20 |
| 33 | Mohini Prakashrao Uike | 08 | 12 | 20 |
| 34 | Monali Nitinrao Bhure | 00 | 00 | 00 |
| 35 | Namrata Rahul Manohare | 08 | 12 | 20 |
| 36 | Nikhita Gajanan Karangale | 08 | 12 | 20 |
| 37 | Nikita Vasant Patil | 08 | 12 | 20 |
| 38 | Palak Avinash Raut | 08 | 12 | 20 |
| 39 | Pallavi Diliprao Golait | 08 | 12 | 20 |
| 40 | Punam Prakashrao Zite | 08 | 12 | 20 |
| 41 | Reena Rameshrao Khandare | 08 | 12 | 20 |
| 42 | Samiksha Gajanan Thor | 08 | 12 | 20 |
| 43 | Sejal Sudeshrao Arekar | 08 | 12 | 20 |
| 44 | Shivani Raju Bhalerao | 08 | 12 | 20 |
| 45 | Shraddha Dattaji Pinjari | 08 | 12 | 20 |
| 46 | Shrutika Arun Bhoyar | 08 | 12 | 20 |
| 47 | Sejal Babanrao Choudhari | 08 | 12 | 20 |
| 48 | Vaishnavi Laxmanrao Kardikar | 08 | 12 | 20 |
| 49 | Aakstha A.Lokhande | 08 | 12 | 20 |
| 50 | Pratiksha Kishor Parteki | 08 | 12 | 20 |
| | TOTAL (1 TO 50) | | | |

Name and Signature of Teacher
(Dr. N. A. Sonune)

Verified
Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Commerce Mahavidyalaya
Dhamangaon Rly.

Signature of H.O.D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Internal Assessment Marks of Assignment/Project Assignment 2019-2020**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part I ( Semester–II)Subject : Microbiology**
**Paper (With Title) –2S Microbiology**
**(Microbiology,Biochemistry,Biostatistics and Computers)**

**Name of Teacher : Dr. N. A. Sonune** **Designation : Assistant Professor**

**Max. Marks: 08**

| S.NO. | Name of the student | Project Assignment | | Marks awarded out of 08 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | Chanchal Gajendra Gawarle | 12.02.2020 | 28.02.2020 | 08 |
| 2 | Dineshwari Jitendra Shelar | 12.02.2020 | 28.02.2020 | 08 |
| 3 | Gaurav Sharad Bhoge | 12.02.2020 | - | 00 |
| 4 | Gauri Ashokrao Budhe | 12.02.2020 | 28.02.2020 | 08 |
| 5 | Gauri Dinesh Khandarkar | 12.02.2020 | 28.02.2020 | 08 |
| 6 | Gayatri Pramod Bante | 12.02.2020 | 28.02.2020 | 08 |
| 7 | Isha Vijay Unone | 12.02.2020 | 28.02.2020 | 08 |
| 8 | Nikita Rajabhau Ghavade | 12.02.2020 | 28.02.2020 | 08 |
| 9 | Pallavi Gajananrao Chimurkar | 12.02.2020 | 28.02.2020 | 08 |
| 10 | Pradnya Manikrao Wasnik | 12.02.2020 | 28.02.2020 | 08 |
| 11 | Pratiksha Gajanan Bhoyar | 12.02.2020 | 28.02.2020 | 08 |
| 12 | Priti Shankarrao Sultane | 12.02.2020 | 28.02.2020 | 08 |
| 13 | Sakshi Anil Nikam | 12.02.2020 | 28.02.2020 | 08 |
| 14 | Sakshi Manoj Shinde | 12.02.2020 | 28.02.2020 | 08 |
| 15 | Sakshi Rajendra Shrirame | 12.02.2020 | 28.02.2020 | 08 |
| 16 | Sakshi Vitthal Pole | 12.02.2020 | 28.02.2020 | 08 |
| 17 | Samruddhi Sachin Thakare | 12.02.2020 | - | 00 |
| 18 | Shreya Vinodrao Kandalkar | 12.02.2020 | 28.02.2020 | 08 |
| 19 | Shweta Brahmanand Kale | 12.02.2020 | 28.02.2020 | 08 |
| 20 | Siddhant Rajendrarao Dhokame | 12.02.2020 | 28.02.2020 | 08 |
| 21 | Sonal Pramodrao Parkhade | 12.02.2020 | 28.02.2020 | 08 |
| 22 | Aastha Laxmanrao Wasnik | 12.02.2020 | 28.02.2020 | 08 |
| 23 | Achal Vijay Nagrikar | 12.02.2020 | 28.02.2020 | 08 |
| 24 | Akash Raju Sawai | 12.02.2020 | - | 00 |
| 25 | Apeksha Shivdatta Garad | 12.02.2020 | 28.02.2020 | 08 |
| 26 | Ashwini Pramodrao Wankhade | 12.02.2020 | 28.02.2020 | 08 |
| 27 | Bhagyashri Vijayrao Wanjari | 12.02.2020 | 28.02.2020 | 08 |
| 28 | Diksha Shashikant Choube | 12.02.2020 | 28.02.2020 | 08 |
| 29 | Dinesh Narandraji Dagwar | 12.02.2020 | 28.02.2020 | 08 |
| 30 | Divya Sunil Chauragade | 12.02.2020 | 28.02.2020 | 08 |
| 31 | Janavi Hemrajji Titare | 12.02.2020 | 28.02.2020 | 08 |
| 32 | Kanchan Arvind Nyahare | 12.02.2020 | 28.02.2020 | 08 |
| 33 | Mohini Prakashrao Uike | 12.02.2020 | 28.02.2020 | 08 |
| 34 | Monali Nitinrao Bhure | 12.02.2020 | 28.02.2020 | 08 |
| 35 | Namrata Rahul Manohare | 12.02.2020 | - | 00 |
| 36 | Nikhita Gajanan Karangale | 12.02.2020 | 28.02.2020 | 08 |
| 37 | Nikita Vasant Patil | 12.02.2020 | 28.02.2020 | 08 |
| 38 | Palak Avinash Raut | 12.02.2020 | 28.02.2020 | 08 |
| 39 | Pallavi Diliprao Golait | 12.02.2020 | 28.02.2020 | 08 |
| 40 | Punam Prakashrao Zite | 12.02.2020 | 28.02.2020 | 08 |
| 41 | Reena Rameshrao Khandare | 12.02.2020 | 28.02.2020 | 08 |
| 42 | Samiksha Gajanan Thor | 12.02.2020 | 28.02.2020 | 08 |
| 43 | Sejal Sudeshrao Arekar | 12.02.2020 | 28.02.2020 | 08 |
| 44 | Shivani Raju Bhalerao | 12.02.2020 | 28.02.2020 | 08 |
| 45 | Shraddha Dattaji Pinjari | 12.02.2020 | 28.02.2020 | 08 |
| 46 | Shrutika Arun Bhoyar | 12.02.2020 | 28.02.2020 | 08 |
| 47 | Sejal Babanrao Choudhari | 12.02.2020 | 28.02.2020 | 08 |
| 48 | Vaishnavi Laxmanrao Kardikar | 12.02.2020 | 28.02.2020 | 08 |
| 49 | Aakstha A.Lokhande | 12.02.2020 | 28.02.2020 | 08 |
| 50 | Pratiksha Kishor Parteki | 12.02.2020 | 28.02.2020 | 08 |
| | TOTAL (1 TO 50) | | | |

Name and Signature of Teachers
**(Dr. N. A.Sonune)**

Verified
PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya, Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

Record of Class Test (2019-2020)

Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc. Part I ( Semester–II)

Subject : Microbiology

Paper (With Title) –2S Microbiology

(Microbilogy,Biochemistry,Biostatistics and Computers)

Name of Teacher : Dr. N. A. Sonune

Designation : Assistant Professor

Max. Marks: 12

| Sr. No | Name of the student | CLASS TEST/ Date:09.02.2019 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | Chanchal Gajendra Gawarle | 30 | 28 | Pass | 12 |
| 2 | Dineshwari Jitendra Shelar | 30 | 26 | Pass | 12 |
| 3 | Gaurav Sharad Bhoge | 30 | 00 | Fail | 00 |
| 4 | Gauri Ashokrao Budhe | 30 | 26 | Pass | 12 |
| 5 | Gauri Dinesh Khandarkar | 30 | 00 | Fail | 00 |
| 6 | Gayatri Pramod Bante | 30 | 25 | Pass | 12 |
| 7 | Isha Vijay Unone | 30 | 26 | Pass | 12 |
| 8 | Nikita Rajabhau Ghavade | 30 | 27 | Pass | 12 |
| 9 | Pallavi Gajananrao Chimurkar | 30 | 27 | Pass | 12 |
| 10 | Pradnya Manikrao Wasnik | 30 | 25 | Pass | 12 |
| 11 | Pratiksha Gajanan Bhoyar | 30 | 27 | Pass | 12 |
| 12 | Priti Shankarrao Sultane | 30 | 25 | Pass | 12 |
| 13 | Sakshi Anil Nikam | 30 | 25 | Pass | 12 |
| 14 | Sakshi Manoj Shinde | 30 | 24 | Pass | 12 |
| 15 | Sakshi Rajendra Shrirame | 30 | 26 | Pass | 12 |
| 16 | Sakshi Vitthal Pole | 30 | 27 | Pass | 12 |
| 17 | Samruddhi Sachin Thakare | 30 | 00 | Fail | 00 |
| 18 | Shreya Vinodrao Kandalkar | 30 | 24 | Pass | 12 |
| 19 | Shweta Brahmanand Kale | 30 | 28 | Pass | 12 |
| 20 | Siddhant Rajendrarao Dhokame | 30 | 28 | Pass | 12 |
| 21 | Sonal Pramodrao Parkhade | 30 | 00 | Fail | 00 |
| 22 | Aastha Laxmanrao Wasnik | 30 | 29 | Pass | 12 |
| 23 | Achal Vijay Nagrikar | 30 | 28 | Pass | 12 |
| 24 | Akash Raju Sawai | 30 | 00 | Fail | 00 |
| 25 | Apeksha Shivdatta Garad | 30 | 26 | Pass | 12 |
| 26 | Ashwini Pramodrao Wankhade | 30 | 27 | Pass | 12 |
| 27 | Bhagyashri Vijayrao Wanjari | 30 | 27 | Pass | 12 |
| 28 | Diksha Shashikant Choube | 30 | 26 | Pass | 12 |
| 29 | Dinesh Narandraji Dagwar | 30 | 28 | Pass | 12 |
| 30 | Divya Sunil Chauragade | 30 | 28 | Pass | 12 |
| 31 | Janavi Hemrajji Titare | 30 | 26 | Pass | 12 |
| 32 | Kanchan Arvind Nyahare | 30 | 26 | Pass | 12 |
| 33 | Mohini Prakashrao Uike | 30 | 26 | Pass | 12 |
| 34 | Monali Nitinrao Bhure | 30 | 28 | Pass | 12 |
| 35 | Namrata Rahul Manohare | 30 | 00 | Fail | 00 |
| 36 | Nikhita Gajanan Karangale | 30 | 28 | Pass | 12 |
| 37 | Nikita Vasant Patil | 30 | 27 | Pass | 12 |
| 38 | Palak Avinash Raut | 30 | 26 | Pass | 12 |
| 39 | Pallavi Diliprao Golait | 30 | 27 | Pass | 12 |
| 40 | Punam Prakashrao Zite | 30 | 27 | Pass | 12 |
| 41 | Reena Rameshrao Khandare | 30 | 27 | Pass | 12 |
| 42 | Samiksha Gajanan Thor | 30 | 27 | Pass | 12 |
| 43 | Sejal Sudeshrao Arekar | 30 | 28 | Pass | 12 |
| 44 | Shivani Raju Bhalerao | 30 | 25 | Pass | 12 |
| 45 | Shraddha Dattaji Pinjari | 30 | 26 | Pass | 12 |
| 46 | Shrutika Arun Bhoyar | 30 | 24 | Pass | 12 |
| 47 | Sejal Babanrao Choudhari | 30 | 26 | Pass | 12 |
| 48 | Vaishnavi Laxmanrao Kardikar | 30 | 28 | Pass | 12 |
| 49 | Aakstha A.Lokhande | 30 | 26 | Pass | 12 |
| 50 | Pratiksha Kishor Parteki | 30 | 24 | Pass | 12 |
| | TOTAL (1 TO 50) | 1500 | 1165 | | |

Name and Signature of Teacher
(Dr. N. A. Sonune)

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

& Birla Comm. Mahavidyalaya

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B.Sc. Part II

Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department Of Microbiology**

**Notice** **Date: 13/02/2020**

All the students of B. Sc. Part II semester –IV Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit printed project assignment based on the recent development in the field, on or before **02th March, 2020**.

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Adarsh T. Upadhyay | Widal test |
| 2 | Aishwarya V.Shastrakar | Antigenic determinants |
| 3 | Anjali N. Funde | Ig G (Immunoglobulin G) |
| 4 | Aparna S. Tarale | Ig A (Immunoglobulin A) |
| 5 | Apurva M. Pawar | Ig M (Immunoglobulin M) |
| 6 | Bhagyashri S. Kasturkar | RPR Test |
| 7 | Bhavisha D. Dhandukiya | ELISA test |
| 8 | Gaurav R. Meshram | Precipitation Serological Reaction |
| 9 | Harshali M. Shrirame | Agglutination Serological Reaction |
| 10 | Kallyani R. Saundarkar | Structure of antibody |
| 11 | Kartik S. Deogade | Monoclonal antibody |
| 12 | Komal R. Virulakar | Factors determining antigenecity |
| 13 | Manisha R. Himane | Serological diagnosis of typhoid |
| 14 | Mrunal S. Dhemre | Serological diagnosis of syphilis |
| 15 | Neha D. Bedurkar | Factors determining pathogenecity of *S. aureus* |
| 16 | Nikita S. Dighade | Antigenic characters of *Salmonella typhi* |
| 17 | Niyati S. Kucheriya | Pathogenecity of *Vibrio cholerae* |
| 18 | Prachi R. Bansod | Prophylaxis of *Vibrio cholerae* |
| 19 | Pranita N. Ambatkar | Modes of disease transmission |
| 20 | Pranjali P. Titare | Pathogenecity of *S. aureus* |
| 21 | Pratiksha R. Bhoyar | Types of infections |
| 22 | Puja S. Ambadare | Microbial virulence factors |
| 23 | Purvesh P. Kanere | Control of communicable diseases |
| 24 | Radhika R. Raut | Organs of immune system |
| 25 | Renuka P. Bhusari | Cells of immune system |
| 26 | Rushikesh N. Daware | Complement fixation test |
| 27 | Saurav P. Gadling | Acquired active immunity |
| 28 | Shraddha A. Garud | Acquired passive immunity |
| 29 | Vaishnavi N. Kokate | Hypersensitivity |
| 30 | Vaishnavi V. Gulhane | Pathogenic ity of *Mycobacterium tuberculosis* |
| 31 | Wrushali R. Malwar | Pathogenecity of *Treponema pallidum* |
| 32 | Akshay R. Ingle | Pathogenecity of *Clostridium tetani* |
| 33 | Chetana D. Gajbhiye | Control of AIDS |
| 34 | Divya P. Nikhade | Pathogenic aspects of *Candida albicans* |
| 35 | Harshal A. Narode | Pathogenic aspects of *Entamoeba histolytica* |
| 36 | Mahak S. Mokati | Rabies |
| 37 | Papiha R. Dable | Antifungal agents (mode of action & applications) |
| 38 | Pratiksha K. Vakil | Antiviral agents (mode of action & applications) |
| 39 | Purvesh T. Chandak | Polio – Types, Causes & Symptoms |
| 40 | Ranu J. Sonone | Polio – Prevention |
| 41 | Renuka S. Borkar | Polio – Global Eradication Initiative |
| 42 | Rupali B. Talan | Monoclonal antibodies |
| 43 | Sakshi R. Raut | Innate immunity |
| 44 | Sakshi V. Rathod | Modes of disease transmission |
| 45 | Samruddhi S. Dongare | Infection process |
| 46 | Sana Afreen. Shakeel Ahmad | Normal flora of human body |
| 47 | Snehal S. Masram | Prophylaxis of tuberculosis |
| 48 | Unnati H. Athawale | Basic mechanism of antibiotics action |
| 49 | Vaishali G. Patil | MIC determination |
| 50 | Vaishnavi N. Gupta | Role of CLSI in Microbiology |

(Dr. V. A. Kamble)

Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Rly.

PRINCIPAL

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya Dhamangaon Rly.

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 26/02/2020

# NOTICE

All the students B. Sc. Part II Semester - 4 Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on **06th March, 2020** at 2.45 pm in Microbiology Laboratory. All Students must remain present for the test examination.

Course For Test Examination :**Unit No. III : Serology, Unit No. IV : *Salmonella typhi* , *Mycobacterium tuberculosis* & *Staphylococcus aureus***

(Dr. V. A. Kamble)
Concerned Teacher

(Dr. Y. B. Gandole)
Principal
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Record of Record of Class Tests (2019-2020)**

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Class : B.Sc. Part II ( Semester – IV) Subject : Microbiology Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : Dr. V. A. Kamble Designation : Professor in Microbiology

**ATTENDANCE SHEET** **DATE : 06.03.2020**

| S. N. | Name Of Student | SIGNATURE |
|---|---|---|
| 1 | Adarsh T. Upadhyay | |
| 2 | Ku. Aishwarya V. Shastrakar | |
| 3 | Ku. Anjali N. Funde | |
| 4 | Ku. Aparna S. Tarale | |
| 5 | Ku. Apurva M. Pawar | A. M. Pawar |
| 6 | Ku. Bhagyashri S. Kasturkar | |
| 7 | Ku. Bhavisha D. Dhandukiya | |
| 8 | Gaurav R. Meshram | |
| 9 | Ku. Harshali M. Shrirame | |
| 10 | Ku. Kallyani R. Saundarkar | |
| 11 | Kartik S. Deogade | |
| 12 | Ku. Komal R. Virulakar | |
| 13 | Ku. Manisha R. Himane | |
| 14 | Ku. Mrunal S. Dhemre | |
| 15 | Ku. Neha D. Bedurkar | N. D. Bedurkar |
| 16 | Ku. Nikita S. Dighade | |
| 17 | Ku. Niyati S. Kucheriya | |
| 18 | Ku. Prachi R. Bansod | |
| 19 | Ku. Pranita N. Ambatkar | |
| 20 | Ku. Pranjali P. Titare | |
| 21 | Ku. Pratiksha R. Bhoyar | |
| 22 | Ku. Puja S. Ambadare | P. S. Ambadare |
| 23 | Ku. Purvesh P. Kanere | |
| 24 | Ku. Radhika R. Raut | |
| 25 | Ku. Renuka P. Bhusari | |
| 26 | Rushikesh N. Daware | |
| 27 | Saurav P. Gadling | |
| 28 | Ku. Shraddha A. Garud | |
| 29 | Ku. Vaishnavi N. Kokate | |
| 30 | Ku. Vaishnavi V. Gulhane | |
| 31 | Ku. Wrushali R. Malwar | |
| 32 | Akshay R. Ingle | |
| 33 | Ku. Chetana D. Gajbhiye | C. D. Gajbhiye |
| 34 | Ku. Divya P. Nikhade | |
| 35 | Harshal A. Narode | |
| 36 | Ku. Mahak S. Mokati | M. S. Mokati |
| 37 | Ku. Papiha R. Dable | |
| 38 | Ku. Pratiksha K. Vakil | |
| 39 | Purvesh T. Chandak | |
| 40 | Ku. Ranu J. Sonone | |
| 41 | Ku. Renuka S. Borkar | |
| 42 | Ku. Rupali B. Talan | |
| 43 | Ku. Sakshi R. Raut | |
| 44 | Ku. Sakshi V. Rathod | |
| 45 | Ku. Samruddhi S. Dongare | |
| 46 | Ku.Sana Afreen Shakeel Ahmad | |
| 47 | Ku. Snehal S. Masram | |
| 48 | Ku. Unnati H. Athawale | V. H. Athawale |
| 49 | Ku. Vaishali G. Patil | |
| 50 | Ku. Vaishnavi N. Gupta | |
| | TOTAL (1 TO 50) | |

Absent - Nil

Name and Signature of Teacher

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## Record of Internal Assessment Marks of Project Assignment (2019-2020)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc. Part II ( Semester – IV) Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment | | Marks awarded out of 4 | |
|---|---|---|---|---|---|
| | | Allotted on | Submitted on | | |
| 1 | Adarsh T. Upadhyay | 13.02.2020 | 02.03.2020 | 04 | 70516 |
| 2 | Ku. Aishwarya V. Shastrakar | 13.02.2020 | 02.03.2020 | 04 | 70518 |
| 3 | Ku. Anjali N. Funde | 13.02.2020 | 02.03.2020 | 04 | 70524 |
| 4 | Ku. Aparna S. Tarale | 13.02.2020 | 02.03.2020 | 04 | 70525 |
| 5 | Ku. Apurva M. Pawar | 13.02.2020 | 02.03.2020 | 04 | 70526 |
| 6 | Ku. Bhagyashri S. Kasturkar | 13.02.2020 | 02.03.2020 | 04 | 70532 |
| 7 | Ku. Bhavisha D. Dhandukiya | 13.02.2020 | 02.03.2020 | 04 | 70546 |
| 8 | Gaurav R. Meshram | 13.02.2020 | 02.03.2020 | 04 | 70536 |
| 9 | Ku. Harshali M. Shrirame | 13.02.2020 | 02.03.2020 | 04 | 70549 |
| 10 | Ku. Kallyani R. Saundarkar | 13.02.2020 | 02.03.2020 | 04 | 70542 |
| 11 | Kartik S. Deogade | 13.02.2020 | 02.03.2020 | 04 | 70544 |
| 12 | Ku. Komal R. Virulakar | 13.02.2020 | 02.03.2020 | 04 | 70556 |
| 13 | Ku. Manisha R. Himane | 13.02.2020 | 02.03.2020 | 04 | 70591 |
| 14 | Ku. Mrunal S. Dhemre | 13.02.2020 | 02.03.2020 | 04 | 70593 |
| 15 | Ku. Neha D. Bedurkar | 13.02.2020 | 02.03.2020 | 04 | 70594 |
| 16 | Ku. Nikita S. Dighade | 18.02.2020 | 02.03.2020 | 04 | 70595 |
| 17 | Ku. Niyati S. Kucheriya | 13.02.2020 | 02.03.2020 | 04 | 70596 |
| 18 | Ku. Prachi R. Bansod | 13.02.2020 | 02.03.2020 | 04 | 70560 |
| 19 | Ku. Pranita N. Ambatkar | 13.02.2020 | 02.03.2020 | 04 | 70561 |
| 20 | Ku. Pranjali P. Titare | 13.02.2020 | 02.03.2020 | 04 | 70562 |
| 21 | Ku. Pratiksha R. Bhoyar | 13.02.2020 | 02.03.2020 | 04 | 70564 |
| 22 | Ku. Puja S. Ambadare | 13.02.2020 | 02.03.2020 | 04 | 70565 |
| 23 | Ku. Purvesh P. Kanere | 13.02.2020 | 02.03.2020 | 04 | 70606 |
| 24 | Ku. Radhika R. Raut | 13.02.2020 | 02.03.2020 | 04 | 70608 |
| 25 | Ku. Renuka P. Bhusari | 13.02.2020 | 02.03.2020 | 04 | 70567 |
| 26 | Rushikesh N. Daware | 13.02.2020 | 02.03.2020 | 04 | 70617 |
| 27 | Saurav P. Gadling | 13.02.2020 | 02.03.2020 | 04 | 70625 |
| 28 | Ku. Shraddha A. Garud | 13.02.2020 | 02.03.2020 | 04 | 70578 |
| 29 | Ku. Vaishnavi N. Kokate | 13.02.2020 | 02.03.2020 | 04 | 70635 |
| 30 | Ku. Vaishnavi V. Gulhane | 13.02.2020 | 02.03.2020 | 04 | 70636 |
| 31 | Ku. Wrushali R. Malwar | 13.02.2020 | 02.03.2020 | 04 | 70640 |
| 32 | Akshay R. Ingle | 13.02.2020 | 10.03.2020 | 04 | 70522 |
| 33 | Ku. Chetana D. Gajbhiye | 13.02.2020 | 02.03.2020 | 04 | 70547 |
| 34 | Ku. Divya P. Nikhade | 18.02.2020 | 02.03.2020 | 04 | 70548 |
| 35 | Harshal A. Narode | 13.02.2020 | 02.03.2020 | 04 | 70538 |
| 36 | Ku. Mahak S. Mokati | 13.02.2020 | 02.03.2020 | 04 | 70557 |
| 37 | Ku. Papiha R. Dable | 13.02.2020 | 02.03.2020 | 04 | 70597 |
| 38 | Ku. Pratiksha K. Vakil | 13.02.2020 | 02.03.2020 | 04 | 70603 |
| 39 | Purvesh T. Chandak | 13.02.2020 | 02.03.2020 | 04 | 70607 |
| 40 | Ku. Ranu J. Sonone | 13.02.2020 | 02.03.2020 | 04 | 70611 |
| 41 | Ku. Renuka S. Borkar | 13.02.2020 | 02.03.2020 | 04 | 70612 |
| 42 | Ku. Rupali B. Talan | 13.02.2020 | 02.03.2020 | 04 | 70569 |
| 43 | Ku. Sakshi R. Raut | 13.02.2020 | 02.03.2020 | 04 | 70573 |
| 44 | Ku. Sakshi V. Rathod | 13.02.2020 | 02.03.2020 | 04 | 70574 |
| 45 | Ku. Samruddhi S. Dongare | 13.02.2020 | 02.03.2020 | 04 | 70621 |
| 46 | Ku.Sana Afreen Shakeel Ahmad | 13.02.2020 | 02.03.2020 | 04 | 70575 |
| 47 | Ku. Snehal S. Masram | 13.02.2020 | 02.03.2020 | 04 | 70580 |
| 48 | Ku. Unnati H. Athawale | 13.02.2020 | 02.03.2020 | 04 | 70583 |
| 49 | Ku. Vaishali G. Patil | 13.02.2020 | 02.03.2020 | 04 | 70584 |
| 50 | Ku. Vaishnavi N. Gupta | 13.02.2020 | 02.03.2020 | 04 | 70586 |
| | **TOTAL** | | | **200** | |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Scl., J. B. Arts & Birla

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**Record of Record of Class Tests** (2019-2020)

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Class Test Date: 06.03.2020 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Mark | Mark Obtained | Pass/ Fail | |
| 1 | **Adarsh T. Upadhyay** | 30 | 26 | Pass | 10 |
| 2 | **Ku. Aishwarya V. Shastrakar** | 30 | 28 | Pass | 10 |
| 3 | **Ku. Anjali N. Funde** | 30 | 26 | Pass | 10 |
| 4 | **Ku. Aparna S. Tarale** | 30 | 26 | Pass | 10 |
| 5 | **Ku. Apurva M. Pawar** | 30 | 25 | Pass | 10 |
| 6 | **Ku. Bhagyashri S. Kasturkar** | 30 | 26 | Pass | 10 |
| 7 | **Ku. Bhavisha D. Dhandukiya** | 30 | 27 | Pass | 10 |
| 8 | **Gaurav R. Meshram** | 30 | 30 | Pass | 10 |
| 9 | **Ku. Harshali M. Shrirame** | 30 | 26 | Pass | 10 |
| 10 | **Ku. Kallyani R. Saundarkar** | 30 | 26 | Pass | 10 |
| 11 | **Kartik S. Deogade** | 30 | 25 | Pass | 10 |
| 12 | **Ku. Komal R. Virulakar** | 30 | 29 | Pass | 10 |
| 13 | **Ku. Manisha R. Himane** | 30 | 26 | Pass | 10 |
| 14 | **Ku. Mrunal S. Dhemre** | 30 | 29 | Pass | 10 |
| 15 | **Ku. Neha D. Bedurkar** | 30 | 25 | Pass | 10 |
| 16 | **Ku. Nikita S. Dighade** | 30 | 26 | Pass | 10 |
| 17 | **Ku. Niyati S. Kucheriya** | 30 | 25 | Pass | 10 |
| 18 | **Ku. Prachi R. Bansod** | 30 | 26 | Pass | 10 |
| 19 | **Ku. Pranita N. Ambatkar** | 30 | 25 | Pass | 10 |
| 20 | **Ku. Pranjali P. Titare** | 30 | 26 | Pass | 10 |
| 21 | **Ku. Pratiksha R. Bhoyar** | 30 | 25 | Pass | 10 |
| 22 | **Ku. Puja S. Ambadare** | 30 | 25 | Pass | 10 |
| 23 | **Ku. Purvesh P. Kanere** | 30 | 30 | Pass | 10 |
| 24 | **Ku. Radhika R. Raut** | 30 | 27 | Pass | 10 |
| 25 | **Ku. Renuka P. Bhusari** | 30 | 27 | Pass | 10 |
| 26 | **Rushikesh N. Daware** | 30 | 24 | Pass | 10 |
| 27 | **Saurav P. Gadling** | 30 | 29 | Pass | 10 |
| 28 | **Ku. Shraddha A. Garud** | 30 | 29 | Pass | 10 |
| 29 | **Ku. Vaishnavi N. Kokate** | 30 | 26 | Pass | 10 |
| 30 | **Ku. Vaishnavi V. Gulhane** | 30 | 27 | Pass | 10 |
| 31 | **Ku. Wrushali R. Malwar** | 30 | 28 | Pass | 10 |
| 32 | **Akshay R. Ingle** | 30 | 28 | Pass | 10 |
| 33 | **Ku. Chetana D. Gajbhiye** | 30 | 25 | Pass | 10 |
| 34 | **Ku. Divya P. Nikhade** | 30 | 29 | Pass | 10 |
| 35 | **Harshal A. Narode** | 30 | 24 | Pass | 10 |
| 36 | **Ku. Mahak S. Mokati** | 30 | 27 | Pass | 10 |
| 37 | **Ku. Papiha R. Dable** | 30 | 29 | Pass | 10 |
| 38 | **Ku. Pratiksha K. Vakil** | 30 | 29 | Pass | 10 |
| 39 | **Purvesh T. Chandak** | 30 | 28 | Pass | 10 |
| 40 | **Ku. Ranu J. Sonone** | 30 | 28 | Pass | 10 |
| 41 | **Ku. Renuka S. Borkar** | 30 | 30 | Pass | 10 |
| 42 | **Ku. Rupali B. Talan** | 30 | 25 | Pass | 10 |
| 43 | **Ku. Sakshi R. Raut** | 30 | 30 | Pass | 10 |
| 44 | **Ku. Sakshi V. Rathod** | 30 | 30 | Pass | 10 |
| 45 | **Ku. Samruddhi S. Dongare** | 30 | 26 | Pass | 10 |
| 46 | **Ku.Sana Afreen Shakeel Ahmad** | 30 | 29 | Pass | 10 |
| 47 | **Ku. Snehal S. Masram** | 30 | 28 | Pass | 10 |
| 48 | **Ku. Unnati H. Athawale** | 30 | 26 | Pass | 10 |
| 49 | **Ku. Vaishali G. Patil** | 30 | 27 | Pass | 10 |
| 50 | **Ku. Vaishnavi N. Gupta** | 30 | 25 | Pass | 10 |
| | TOTAL (1 TO 50) | | | | **500** |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,

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**Seminar / Group Discussion/ Study Tour** (2019-2020)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Study tour | Date Of visit | Marks Awarded |
|---|---|---|---|---|
| 1 | Adarsh T. Upadhyay | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 2 | Ku. Aishwarya V. Shastrakar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 3 | Ku. Anjali N. Funde | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 4 | Ku. Aparna S. Tarale | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 5 | Ku. Apurva M. Pawar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 6 | Ku. Bhagyashri S. Kasturkar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 7 | Ku. Bhavisha D. Dhandukiya | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 8 | Gaurav R. Meshram | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 9 | Ku. Harshali M. Shrirame | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 10 | Ku. Kallyani R. Saundarkar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 11 | Kartik S. Deogade | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 12 | Ku. Komal R. Virulakar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 13 | Ku. Manisha R. Himane | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 14 | Ku. Mrunal S. Dhemre | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 15 | Ku. Neha D. Bedurkar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 16 | Ku. Nikita S. Dighade | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 17 | Ku. Niyati S. Kucheriya | Seminar on HIV (online) | 12.03.2020 | 06 |
| 18 | Ku. Prachi R. Bansod | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 19 | Ku. Pranita N. Ambatkar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 20 | Ku. Pranjali P. Titare | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 21 | Ku. Pratiksha R. Bhoyar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 22 | Ku. Puja S. Ambadare | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 23 | Ku. Purvesh P. Kanere | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 24 | Ku. Radhika R. Raut | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 25 | Ku. Renuka P. Bhusari | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 26 | Rushikesh N. Daware | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 27 | Saurav P. Gadling | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 28 | Ku. Shraddha A. Garud | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 29 | Ku. Vaishnavi N. Kokate | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 30 | Ku. Vaishnavi V. Gulhane | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 31 | Ku. Wrushali R. Malwar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 32 | Akshay R. Ingle | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 33 | Ku. Chetana D. Gajbhiye | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 34 | Ku. Divya P. Nikhade | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 35 | Harshal A. Narode | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 36 | Ku. Mahak S. Mokati | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 37 | Ku. Papiha R. Dable | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 38 | Ku. Pratiksha K. Vakil | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 39 | Purvesh T. Chandak | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 40 | Ku. Ranu J. Sonone | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 41 | Ku. Renuka S. Borkar | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 42 | Ku. Rupali B. Talan | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 43 | Ku. Sakshi R. Raut | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 44 | Ku. Sakshi V. Rathod | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 45 | Ku. Samruddhi S. Dongare | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 46 | Ku.Sana Afreen Shakeel Ahmad | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 47 | Ku. Snehal S. Masram | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 48 | Ku. Unnati H. Athawale | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 49 | Ku. Vaishali G. Patil | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| 50 | Ku. Vaishnavi N. Gupta | Water Treatment Plant, Amravati & Chikhaldara | 22.02.2020 | 06 |
| | TOTAL (1 TO 50) | | | |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,

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**Consolidated Records of Internal Assignment Marks 2019-2020**

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment Max. Marks:- 04 | Study Tour Max. Marks:-06 | Class Tests Max. Marks:- 10 | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| 1 | Adarsh T. Upadhyay | 04 | 06 | 10 | 20 |
| 2 | Ku. Aishwarya V. Shastrakar | 04 | 06 | 10 | 20 |
| 3 | Ku. Anjali N. Funde | 04 | 06 | 10 | 20 |
| 4 | Ku. Aparna S. Tarale | 04 | 06 | 10 | 20 |
| 5 | Ku. Apurva M. Pawar | 04 | 06 | 10 | 20 |
| 6 | Ku. Bhagyashri S. Kasturkar | 04 | 06 | 10 | 20 |
| 7 | Ku. Bhavisha D. Dhandukiya | 04 | 06 | 10 | 20 |
| 8 | Gaurav R. Meshram | 04 | 06 | 10 | 20 |
| 9 | Ku. Harshali M. Shrirame | 04 | 06 | 10 | 20 |
| 10 | Ku. Kallyani R. Saundarkar | 04 | 06 | 10 | 20 |
| 11 | Kartik S. Deogade | 04 | 06 | 10 | 20 |
| 12 | Ku. Komal R. Virulakar | 04 | 06 | 10 | 20 |
| 13 | Ku. Manisha R. Himane | 04 | 06 | 10 | 20 |
| 14 | Ku. Mrunal S. Dhemre | 04 | 06 | 10 | 20 |
| 15 | Ku. Neha D. Bedurkar | 04 | 06 | 10 | 20 |
| 16 | Ku. Nikita S. Dighade | 04 | 06 | 10 | 20 |
| 17 | Ku. Niyati S. Kucheriya | 04 | 06 | 10 | 20 |
| 18 | Ku. Prachi R. Bansod | 04 | 06 | 10 | 20 |
| 19 | Ku. Pranita N. Ambatkar | 04 | 06 | 10 | 20 |
| 20 | Ku. Pranjali P. Titare | 04 | 06 | 10 | 20 |
| 21 | Ku. Pratiksha R. Bhoyar | 04 | 06 | 10 | 20 |
| 22 | Ku. Puja S. Ambadare | 04 | 06 | 10 | 20 |
| 23 | Ku. Purvesh P. Kanere | 04 | 06 | 10 | 20 |
| 24 | Ku. Radhika R. Raut | 04 | 06 | 10 | 20 |
| 25 | Ku. Renuka P. Bhusari | 04 | 06 | 10 | 20 |
| 26 | Rushikesh N. Daware | 04 | 06 | 10 | 20 |
| 27 | Saurav P. Gadling | 04 | 06 | 10 | 20 |
| 28 | Ku. Shraddha A. Garud | 04 | 06 | 10 | 20 |
| 29 | Ku. Vaishnavi N. Kokate | 04 | 06 | 10 | 20 |
| 30 | Ku. Vaishnavi V. Gulhane | 04 | 06 | 10 | 20 |
| 31 | Ku. Wrushali R. Malwar | 04 | 06 | 10 | 20 |
| 32 | Akshay R. Ingle | 04 | 06 | 10 | 20 |
| 33 | Ku. Chetana D. Gajbhiye | 04 | 06 | 10 | 20 |
| 34 | Ku. Divya P. Nikhade | 04 | 06 | 10 | 20 |
| 35 | Harshal A. Narode | 04 | 06 | 10 | 20 |
| 36 | Ku. Mahak S. Mokati | 04 | 06 | 10 | 20 |
| 37 | Ku. Papiha R. Dable | 04 | 06 | 10 | 20 |
| 38 | Ku. Pratiksha K. Vakil | 04 | 06 | 10 | 20 |
| 39 | Purvesh T. Chandak | 04 | 06 | 10 | 20 |
| 40 | Ku. Ranu J. Sonone | 04 | 06 | 10 | 20 |
| 41 | Ku. Renuka S. Borkar | 04 | 06 | 10 | 20 |
| 42 | Ku. Rupali B. Talan | 04 | 06 | 10 | 20 |
| 43 | Ku. Sakshi R. Raut | 04 | 06 | 10 | 20 |
| 44 | Ku. Sakshi V. Rathod | 04 | 06 | 10 | 20 |
| 45 | Ku. Samruddhi S. Dongare | 04 | 06 | 10 | 20 |
| 46 | Ku.Sana Afreen Shakeel Ahmad | 04 | 06 | 10 | 20 |
| 47 | Ku. Snehal S. Masram | 04 | 06 | 10 | 20 |
| 48 | Ku. Unnati H. Athawale | 04 | 06 | 10 | 20 |
| 49 | Ku. Vaishali G. Patil | 04 | 06 | 10 | 20 |
| 50 | Ku. Vaishnavi N. Gupta | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 50) | | | | |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 12/02/2020**

All the students of B. Sc. Part III semester –VI Microbiology are hereby informed that their topic for project assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for project assignment and submit the project assignment on or before 27th February 2020.

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**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date:02.02.2020**

All the students of B. Sc. Part III semester –VI are hereby informed that their Class test (Internal assessment marks) in Microbiology will be conducted on 27th February 2020 at 2.55 a.m. in Laboratory. All students must remain present for this test examination.

| Course | Unit 2:Industrial Fermentation<br>Unit 4: Food Microbiology |
|---|---|

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Dhamangaon Rly.

Que 2 What is screening? Describe in brief different techniques of primary screening

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Class Test Examination 2022

B. Sc. Part III 6 S – Microbiology (Industrial Fermentation, Food Microbiology & Metabolism)

Unit I & II

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) The aeration device in fermentation tank is called a ----------,

ii) Whey is obtained as a by-product of ---------- industry.

iii) Cidar vinegar is made by alcoholic and acetous fermentation of ---------

.iv) Malt is prepared from ----------,

(B) Choose the correct answer. (2)

(i) Large vessel containing all the parts and condition necessary for the growth of desired microorganisms is called ----------

a. Bio reactor b. Auto reactor c. Impeller d. None of these

(ii) Batch fermentation is also called ----------

a. Closed system b. Open system c. Fed-Batch system d. Sub-merger system

(iii) During fermentation, pyruvic acid is converted into organic products such as

a. glucose and fructose b. starch and cellulose c. ethyl alcohol and lactic acid d. citric acid and isocitric acid

(iv) By-product of acetone-butanol fermentation include

a. Riboflavin b. Penicillin c. Isopropanol d. All of these

(C) Give the answer of following in ONE sentence each. (2)

a) Define industrial microbiology

b) Give the examples of antifoaming agents.

Que 2 What is screening? Describe in brief different techniques of primary screening. (12)

OR

Describe in detail different types of raw materials used in fermentation industry. (12)

Que 3 a) Explain how fermentation medium is prepared for beer manufacturing process. (4)

b) Describe in brief manufacture of red wine. (4)

c) 'Production of vinegar requires two fermentations' justify the statement. (4)

or

d) Discuss the enzymatic mechanism of alcoholic fermentation. (4)

e) Give some important industrial uses of citric acid. (4)

f) What are malt adjuncts ? Give its role in brewing process. (4)

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Class Test Examination 2022

B. Sc. Part III 6 S – Microbiology (Industrial Fermentation, Food Microbiology & Metabolism)

Unit I & II

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) The aeration device in fermentation tank is called a ----------,

ii) Whey is obtained as a by-product of ---------- industry.

iii) Cidar vinegar is made by alcoholic and acetous fermentation of ---------

.iv) Malt is prepared from ----------,

(B) Choose the correct answer. (2)

(i) Large vessel containing all the parts and condition necessary for the growth of desired microorganisms is called ----------

a. Bio reactor b. Auto reactor c. Impeller d. None of these

(ii) Batch fermentation is also called ----------

a. Closed system b. Open system c. Fed-Batch system d. Sub-merger system

(iii) During fermentation, pyruvic acid is converted into organic products such as

a. glucose and fructose b. starch and cellulose c. ethyl alcohol and lactic acid d. citric acid and isocitric acid

(iv) By-product of acetone-butanol fermentation include

a. Riboflavin b. Penicillin c. Isopropanol d. All of these

(C) Give the answer of following in ONE sentence each. (2)

a) Define industrial microbiology

b) Give the examples of antifoaming agents.

Que 2 What is screening? Describe in brief different techniques of primary screening. (12)

OR

Describe in detail different types of raw materials used in fermentation industry. (12)

Que 3 a) Explain how fermentation medium is prepared for beer manufacturing process. (4)

b) Describe in brief manufacture of red wine. (4)

c) 'Production of vinegar requires two fermentations' justify the statement. (4)

or

d) Discuss the enzymatic mechanism of alcoholic fermentation. (4)

e) Give some important industrial uses of citric acid. (4)

f) What are malt adjuncts ? Give its role in brewing process. (4)


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**Sant Gadge Baba Amravati University, Amravati**
**Record of Class Test (2019-2020)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester –VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**
**Max.Marks:10**

| Sr. No | Name of the student | CLASS TEST/ Date:27.02.2020 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Marks | Marks | Pass/ Fail | |
| 1 | Ku. Aasiya P. S. Husain | 30 | 26 | Pass | 10 |
| 2 | Ku. Aishwarya S. Kale | 30 | 25 | Pass | 10 |
| 3 | Ku. Anushri D. Nagpure | 30 | 26 | Pass | 10 |
| 4 | Ku. Aparna D. Uike | 30 | 25 | Pass | 10 |
| 5 | Ku. Hema S. Jagtap | 30 | 24 | Pass | 10 |
| 6 | Himanshu S. Shende | 30 | 24 | Pass | 10 |
| 7 | Ku. Jayashree R. Yende | 30 | 26 | Pass | 10 |
| 8 | Mayur O. Titare | 30 | 25 | Pass | 10 |
| 9 | Ku. Nikita P. Jadhao | 30 | 26 | Pass | 10 |
| 10 | Ku. Nutan B. Lawankar | 30 | 25 | Pass | 10 |
| 11 | Owes R. Mugal | 30 | 24 | Pass | 10 |
| 12 | Ku. Piyusha D. Kalbande | 30 | 25 | Pass | 10 |
| 13 | Ku. Pratiksha G. Tarpe | 30 | 24 | Pass | 10 |
| 14 | Ku. Rachana R. Sharma | 30 | 25 | Pass | 10 |
| 15 | Ku. Riddhi V. Bhande | 30 | 24 | Pass | 10 |
| 16 | Sagar G. Sontakke | 30 | 26 | Pass | 10 |
| 17 | Ku. Sakshi S. Mohod | 30 | 25 | Pass | 10 |
| 18 | Ku. Samruddhi V. Mahalle | 30 | 24 | Pass | 10 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 30 | 25 | Pass | 10 |
| 20 | Ku. Vaishnavi S. Chandak | 30 | 25 | Pass | 10 |
| 21 | Ku. Vaishnavi V. Rannaware | 30 | 24 | Pass | 10 |
| 22 | Ku. Zarrin Fatema Z. | 30 | 25 | Pass | 10 |
| 23 | Ku. Akansha S. Chaudhari | 30 | 24 | Pass | 10 |
| 24 | Ku. Amruta P. Gorde | 30 | 27 | Pass | 10 |
| 25 | Ku. Ashwini S. Patil | 30 | 25 | Pass | 10 |
| 26 | Ku. Dipali K. Joi | 30 | 24 | Pass | 10 |
| 27 | Ku. Harshada Y. Bhendarkar | 30 | 26 | Pass | 10 |
| 28 | Ku. Kajal R. Panpaliya | 30 | 25 | Pass | 10 |
| 29 | Ku. Manasi L. Ranit | 30 | 24 | Pass | 10 |
| 30 | Ku. Nikita A. Sontakke | 30 | 26 | Pass | 10 |
| 31 | Ku. Nikita R. Dole | 30 | 25 | Pass | 10 |
| 32 | Ku. Papiha P. Zele | 30 | 24 | Pass | 10 |
| 33 | Ku. Payal S. Bansod | 30 | 24 | Pass | 10 |
| 34 | Ku. Pooja D. Khadse | 30 | 24 | Pass | 10 |
| 35 | Ku. Pranjali S. Lute | 30 | 24 | Pass | 10 |
| 36 | Ku. Pratiksha R. Thakare | 30 | 24 | Pass | 10 |
| 37 | Ku. Pratiksha V. Yesankar | 30 | 24 | Pass | 10 |
| 38 | Ku. Prerana S. Kharapkar | 30 | 25 | Pass | 10 |
| 39 | Ku. Roshani A. Hiware | 30 | 25 | Pass | 10 |
| 40 | Ku. Sakshi S. Thakare | 30 | 26 | Pass | 10 |
| 41 | Ku. Sakshi V. Bhoge | 30 | 25 | Pass | 10 |
| 42 | Ku. Samiksha S. Thakare | 30 | 27 | Pass | 10 |
| 43 | Ku. Sanaparvin K. Shah | 30 | 24 | Pass | 10 |
| 44 | Ku. Shivani S. Kawde | 30 | 24 | Pass | 10 |
| 45 | Ku. Shraddha S. Kamble | 30 | 25 | Pass | 10 |
| 46 | Ku. Sneha S. Padole | 30 | 24 | Pass | 10 |
| 47 | Ku. Snehal S. Sawant | 30 | 26 | Pass | 10 |
| 48 | Ku. Vaishnavi G. Gulhane | 30 | 25 | Pass | 10 |
| 49 | Ku. Vaishnavi S. Thakare | 30 | 25 | Pass | 10 |
| 50 | Ku. Vineshwari N. Alone | 30 | 25 | Pass | 10 |
| 51 | Ku. Vrushali P. Pinjari | 30 | 24 | Pass | 10 |
| | TOTAL (1 TO 51) | 1530 | | | 510 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date :22.06.20

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Internal Assessment Marks of Industrial visit (2019-2020)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester–VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**
**Max.Marks:06**

| Sr. | Name of the Student | Industrial visit/ Marks Awarded | |
|---|---|---|---|
| 1 | Ku. Aasiya P. S. Husain | 70463 | Marks Awarded 06 |
| 2 | Ku. Aishwarya S. Kale | 70465 | 06 |
| 3 | Ku. Anushri D. Nagpure | 70466 | 06 |
| 4 | Ku. Aparna D. Uike | 70467 | 06 |
| 5 | Ku. Hema S. Jagtap | 70472 | 06 |
| 6 | Himanshu S. Shende | 70458 | 06 |
| 7 | Ku. Jayashree R. Yende | 70473 | 06 |
| 8 | Mayur O. Titare | 70511 | 06 |
| 9 | Ku. Nikita P. Jadhao | 70517 | 06 |
| 10 | Ku. Nutan B. Lawankar | 70519 | 06 |
| 11 | Owes R. Mugal | 70520 | 06 |
| 12 | Ku. Piyusha D. Kalbande | 70485 | 06 |
| 13 | Ku. Pratiksha G. Tarpe | 70489 | 06 |
| 14 | Ku. Rachana R. Sharma | 70492 | -- |
| 15 | Ku. Riddhi V. Bhande | 70494 | 06 |
| 16 | Sagar G. Sontakke | 70537 | 06 |
| 17 | Ku. Sakshi S. Mohod | 70496 | 06 |
| 18 | Ku. Samruddhi V. Mahalle | 70498 | -- |
| 19 | Ku. Vaishnavi S. Hiwarkar | 70554 | 06 |
| 20 | Ku. Vaishnavi S. Chandak | 70506 | 06 |
| 21 | Ku. Vaishnavi V. Rannaware | 70507 | 06 |
| 22 | Ku. Zarrin Fatema Z. | 70509 | 06 |
| 23 | Ku. Akansha S. Chaudhari | 70461 | 06 |
| 24 | Ku. Amruta P. Gorde | 70442 | 06 |
| 25 | Ku. Ashwini S. Patil | 70450 | 00 |
| 26 | Ku. Dipali K. Joi | 70469 | 06 |
| 27 | Ku. Harshada Y. Bhendarkar | 70456 | 06 |
| 28 | Ku. Kajal R. Panpaliya | 70459 | 06 |
| 29 | Ku. Manasi L. Ranit | 70479 | 06 |
| 30 | Ku. Nikita A. Sontakke | 70516 | 06 |
| 31 | Ku. Nikita R. Dole | 70483 | 06 |
| 32 | Ku. Papiha P. Zele | 70484 | 06 |
| 33 | Ku. Payal S. Bansod | 70521 | 06 |
| 34 | Ku. Pooja D. Khadse | 70522 | 06 |
| 35 | Ku. Pranjali S. Lute | 70527 | 06 |
| 36 | Ku. Pratiksha R. Thakare | 70490 | 06 |
| 37 | Ku. Pratiksha V. Yesankar | 70529 | 06 |
| 38 | Ku. Prerana S. Kharapkar | 70530 | 06 |
| 39 | Ku. Roshani A. Hiware | 70495 | 06 |
| 40 | Ku. Sakshi S. Thakare | 70540 | 06 |
| 41 | Ku. Sakshi V. Bhoge | 70542 | 06 |
| 42 | Ku. Samiksha S. Thakare | 70544 | 06 |
| 43 | Ku. Sanaparvin K. Shah | 70545 | 06 |
| 44 | Ku. Shivani S. Kawde | 70547 | 06 |
| 45 | Ku. Shraddha S. Kamble | 70499 | 06 |
| 46 | Ku. Sneha S. Padole | 70503 | 06 |
| 47 | Ku. Snehal S. Sawant | 70504 | 06 |
| 48 | Ku. Vaishnavi G. Gulhane | 70505 | 06 |
| 49 | Ku. Vaishnavi S. Thakare | 70555 | 06 |
| 50 | Ku. Vineshwari N. Alone | 70557 | 06 |
| 51 | Ku. Vrushali P. Pinjari | 70560 | 06 |
| | TOTAL (1 TO 51) | | 294 |

463 465 466 467 → 472 458 473 511 517 519 → 520 → 485 489 492 494 537 496 498 → 554 506 507 → 0509 461 70442 70450 → 469 456 459 → 479 516 → 483 → 484 521 522 → 527 490 529 → 530 495 540 542 544 545 → 547 499 503 504 505 555 557 560

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date :22.06.20

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks of Seminar Activity (2019-2020)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester–VI)
Subject : Microbiology
Paper (With Title) –6,S Microbiology
(Industrial Fermentation,Food Microbiology and Metabolism)
Name of Teacher : Dr. G. N. Budhlani Designation : Associate Professor
Max.Marks:06

| Sr. | Name of the Student | Seminar Activity / Marks Awarded |
|---|---|---|
| 1 | Ku. Aasiya P. S. Husain | Marks Awarded |
| 2 | Ku. Aishwarya S. Kale | --- |
| 3 | Ku. Anushri D. Nagpure | --- |
| 4 | Ku. Aparna D. Uike | --- |
| 5 | Ku. Hema S. Jagtap | --- |
| 6 | Himanshu S. Shende | --- |
| 7 | Ku. Jayashree R. Yende | --- |
| 8 | Mayur O. Titare | --- |
| 9 | Ku. Nikita P. Jadhao | --- |
| 10 | Ku. Nutan B. Lawankar | --- |
| 11 | Owes R. Mugal | --- |
| 12 | Ku. Piyusha D. Kalbande | --- |
| 13 | Ku. Pratiksha G. Tarpe | --- |
| 14 | Ku. Rachana R. Sharma | 06 |
| 15 | Ku. Riddhi V. Bhande | --- |
| 16 | Sagar G. Sontakke | --- |
| 17 | Ku. Sakshi S. Mohod | --- |
| 18 | Ku. Samruddhi V. Mahalle | 06 |
| 19 | Ku. Vaishnavi S. Hiwarkar | --- |
| 20 | Ku. Vaishnavi S. Chandak | --- |
| 21 | Ku. Vaishnavi V. Rannaware | --- |
| 22 | Ku. Zarrin Fatema Z. | --- |
| 23 | Ku. Akansha S. Chaudhari | --- |
| 24 | Ku. Amruta P. Gorde | --- |
| 25 | Ku. Ashwini S. Patil | --- |
| 26 | Ku. Dipali K. Joi | --- |
| 27 | Ku. Harshada Y. Bhendarkar | --- |
| 28 | Ku. Kajal R. Panpaliya | --- |
| 29 | Ku. Manasi L. Ranit | --- |
| 30 | Ku. Nikita A. Sontakke | --- |
| 31 | Ku. Nikita R. Dole | --- |
| 32 | Ku. Papiha P. Zele | --- |
| 33 | Ku. Payal S. Bansod | --- |
| 34 | Ku. Pooja D. Khadse | --- |
| 35 | Ku. Pranjali S. Lute | --- |
| 36 | Ku. Pratiksha R. Thakare | --- |
| 37 | Ku. Pratiksha V. Yesankar | --- |
| 38 | Ku. Prerana S. Kharapkar | --- |
| 39 | Ku. Roshani A. Hiware | --- |
| 40 | Ku. Sakshi S. Thakare | --- |
| 41 | Ku. Sakshi V. Bhoge | --- |
| 42 | Ku. Samiksha S. Thakare | --- |
| 43 | Ku. Sanaparvin K. Shah | --- |
| 44 | Ku. Shivani S. Kawde | --- |
| 45 | Ku. Shraddha S. Kamble | --- |
| 46 | Ku. Sneha S. Padole | --- |
| 47 | Ku. Snehal S. Sawant | --- |
| 48 | Ku. Vaishnavi G. Gulhane | --- |
| 49 | Ku. Vaishnavi S. Thakare | --- |
| 50 | Ku. Vineshwari N. Alone | --- |
| 51 | Ku. Vrushali P. Pinjari | --- |
| | TOTAL (1 TO 51) | 12 |

22.06.20
Name and Signature of Teacher

(Dr. G. N. Budhlani)

Date :22.06.20

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PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks of Assignments / Project Assignment) (2019-2020)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –VI)
Subject : Microbiology
Paper (With Title) –6 S Microbiology
(Industrial Fermentation,Food Microbiology and Metabolism)
Name of Teacher : Dr. G. N. Budhlani Designation : Associate Professor
Max.Marks:04

| S.NO. | Name of the student | Project Assignment | | Marks awarded |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 01 | Ku. Aasiya P. S. Husain | 12.02.2020 | 27.02.2020 | 04 |
| 02 | Ku. Aishwarya S. Kale | 12.02.2020 | 27.02.2020 | 04 |
| 03 | Ku. Anushri D. Nagpure | 12.02.2020 | 27.02.2020 | 04 |
| 04 | Ku. Aparna D. Uike | 12.02.2020 | 27.02.2020 | 04 |
| 05 | Ku. Hema S. Jagtap | 12.02.2020 | 27.02.2020 | 04 |
| 06 | Himanshu S. Shende | 12.02.2020 | 27.02.2020 | 04 |
| 07 | Ku. Jayashree R. Yende | 12.02.2020 | 27.02.2020 | 04 |
| 08 | Mayur O. Titare | 12.02.2020 | 27.02.2020 | 04 |
| 09 | Ku. Nikita P. Jadhao | 12.02.2020 | 27.02.2020 | 04 |
| 10 | Ku. Nutan B. Lawankar | 12.02.2020 | 27.02.2020 | 04 |
| 11 | Owes R. Mugal | 12.02.2020 | 27.02.2020 | 04 |
| 12 | Ku. Piyusha D. Kalbande | 12.02.2020 | 27.02.2020 | 04 |
| 13 | Ku. Pratiksha G. Tarpe | 12.02.2020 | 27.02.2020 | 04 |
| 14 | Ku. Rachana R. Sharma | 12.02.2020 | 27.02.2020 | 04 |
| 15 | Ku. Riddhi V. Bhande | 12.02.2020 | 27.02.2020 | 04 |
| 16 | Sagar G. Sontakke | 12.02.2020 | 27.02.2020 | 04 |
| 17 | Ku. Sakshi S. Mohod | 12.02.2020 | 27.02.2020 | 04 |
| 18 | Ku. Samruddhi V. Mahalle | 12.02.2020 | 27.02.2020 | 04 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 12.02.2020 | 27.02.2020 | 04 |
| 20 | Ku. Vaishnavi S. Chandak | 12.02.2020 | 27.02.2020 | 04 |
| 21 | Ku. Vaishnavi V. Rannaware | 12.02.2020 | 27.02.2020 | 04 |
| 22 | Ku. Zarrin Fatema Z. | 12.02.2020 | 27.02.2020 | 04 |
| 23 | Ku. Akansha S. Chaudhari | 12.02.2020 | 27.02.2020 | 00 |
| 24 | Ku. Amruta P. Gorde | 12.02.2020 | 27.02.2020 | 04 |
| 25 | Ku. Ashwini S. Patil | 12.02.2020 | 27.02.2020 | 04 |
| 26 | Ku. Dipali K. Joi | 12.02.2020 | 27.02.2020 | 04 |
| 27 | Ku. Harshada Y. Bhendarkar | 12.02.2020 | 27.02.2020 | 04 |
| 28 | Ku. Kajal R. Panpaliya | 12.02.2020 | 27.02.2020 | 04 |
| 29 | Ku. Manasi L. Ranit | 12.02.2020 | 27.02.2020 | 04 |
| 30 | Ku. Nikita A. Sontakke | 12.02.2020 | 27.02.2020 | 04 |
| 31 | Ku. Nikita R. Dole | 12.02.2020 | 27.02.2020 | 04 |
| 32 | Ku. Papiha P. Zele | 12.02.2020 | 27.02.2020 | 04 |
| 33 | Ku. Payal S. Bansod | 12.02.2020 | 27.02.2020 | 04 |
| 34 | Ku. Pooja D. Khadse | 12.02.2020 | 27.02.2020 | 04 |
| 35 | Ku. Pranjali S. Lute | 12.02.2020 | 27.02.2020 | 04 |
| 36 | Ku. Pratiksha R. Thakare | 12.02.2020 | 27.02.2020 | 04 |
| 37 | Ku. Pratiksha V. Yesankar | 12.02.2020 | 27.02.2020 | 04 |
| 38 | Ku. Prerana S. Kharapkar | 12.02.2020 | 27.02.2020 | 04 |
| 39 | Ku. Roshani A. Hiware | 12.02.2020 | 27.02.2020 | 04 |
| 40 | Ku. Sakshi S. Thakare | 12.02.2020 | 27.02.2020 | 04 |
| 41 | Ku. Sakshi V. Bhoge | 12.02.2020 | 27.02.2020 | 04 |
| 42 | Ku. Samiksha S. Thakare | 12.02.2020 | 27.02.2020 | 04 |
| 43 | Ku. Sanaparvin K. Shah | 12.02.2020 | 27.02.2020 | 04 |
| 44 | Ku. Shivani S. Kawde | 12.02.2020 | 27.02.2020 | 04 |
| 45 | Ku. Shraddha S. Kamble | 12.02.2020 | 27.02.2020 | 04 |
| 46 | Ku. Sneha S. Padole | 12.02.2020 | 27.02.2020 | 04 |
| 47 | Ku. Snehal S. Sawant | 12.02.2020 | 27.02.2020 | 04 |
| 48 | Ku. Vaishnavi G. Gulhane | 12.02.2020 | 27.02.2020 | 04 |
| 49 | Ku. Vaishnavi S. Thakare | 12.02.2020 | 27.02.2020 | 04 |
| 50 | Ku. Vineshwari N. Alone | 12.02.2020 | 27.02.2020 | 04 |
| 51 | Ku. Vrushali P. Pinjari | 12.02.2020 | 27.02.2020 | 04 |
| | | Total of (1 to 53) | | 204 |

22.06.20
Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date :22.06.20

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Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Subject : Microbiology

Paper (With Title) –6 S Microbiology

(Industrial Fermentation,Food Microbiology and Metabolism)

Name of Teacher : Dr. G. N. Budhlani

Designation : Associate Professor

Max.Marks:20

| Sr. No. | Name of the Student | Marks Obtained | | | Max. Marks:-20 |
|---|---|---|---|---|---|
| | | Project Assignment Max. Marks:- 04 | Industrial visit/ Seminar Activity Max. Marks:- 06 | Class Tests Max. Marks:-10 | Total |
| 01 | Ku. Aasiya P. S. Husain | 04 | 06 | 10 | 20 |
| 02 | Ku. Aishwarya S. Kale | 04 | 06 | 10 | 20 |
| 03 | Ku. Anushri D. Nagpure | 04 | 06 | 10 | 20 |
| 04 | Ku. Aparna D. Uike | 04 | 06 | 10 | 20 |
| 05 | Ku. Hema S. Jagtap | 04 | 06 | 10 | 20 |
| 06 | Himanshu S. Shende | 04 | 06 | 10 | 20 |
| 07 | Ku. Jayashree R. Yende | 04 | 06 | 10 | 20 |
| 08 | Mayur O. Titare | 04 | 06 | 10 | 20 |
| 09 | Ku. Nikita P. Jadhao | 04 | 06 | 10 | 20 |
| 10 | Ku. Nutan B. Lawankar | 04 | 06 | 10 | 20 |
| 11 | Owes R. Mugal | 04 | 06 | 10 | 20 |
| 12 | Ku. Piyusha D. Kalbande | 04 | 06 | 10 | 20 |
| 13 | Ku. Pratiksha G. Tarpe | 04 | 06 | 10 | 20 |
| 14 | Ku. Rachana R. Sharma | 04 | 06 | 10 | 20 |
| 15 | Ku. Riddhi V. Bhande | 04 | 06 | 10 | 20 |
| 16 | Sagar G. Sontakke | 04 | 06 | 10 | 20 |
| 17 | Ku. Sakshi S. Mohod | 04 | 06 | 10 | 20 |
| 18 | Ku. Samruddhi V. Mahalle | 04 | 06 | 10 | 20 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 04 | 06 | 10 | 20 |
| 20 | Ku. Vaishnavi S. Chandak | 04 | 06 | 10 | 20 |
| 21 | Ku. Vaishnavi V. Rannaware | 04 | 06 | 10 | 20 |
| 22 | Ku. Zarrin Fatema Z. | 04 | 06 | 10 | 10 |
| 23 | Ku. Akansha S. Chaudhari | 00 | 00 | 10 | 20 |
| 24 | Ku. Amruta P. Gorde | 04 | 06 | 10 | 20 |
| 25 | Ku. Ashwini S. Patil | 04 | 06 | 10 | 20 |
| 26 | Ku. Dipali K. Joi | 04 | 06 | 10 | 20 |
| 27 | Ku. Harshada Y. Bhendarkar | 04 | 06 | 10 | 20 |
| 28 | Ku. Kajal R. Panpaliya | 04 | 06 | 10 | 20 |
| 29 | Ku. Manasi L. Ranit | 04 | 06 | 10 | 20 |
| 30 | Ku. Nikita A. Sontakke | 04 | 06 | 10 | 20 |
| 31 | Ku. Nikita R. Dole | 04 | 06 | 10 | 20 |
| 32 | Ku. Papiha P. Zele | 04 | 06 | 10 | 20 |
| 33 | Ku. Payal S. Bansod | 04 | 06 | 10 | 20 |
| 34 | Ku. Pooja D. Khadse | 04 | 06 | 10 | 20 |
| 35 | Ku. Pranjali S. Lute | 04 | 06 | 10 | 20 |
| 36 | Ku. Pratiksha R. Thakare | 04 | 06 | 10 | 20 |
| 37 | Ku. Pratiksha V. Yesankar | 04 | 06 | 10 | 20 |
| 38 | Ku. Prerana S. Kharapkar | 04 | 06 | 10 | 20 |
| 39 | Ku. Roshani A. Hiware | 04 | 06 | 10 | 20 |
| 40 | Ku. Sakshi S. Thakare | 04 | 06 | 10 | 20 |
| 41 | Ku. Sakshi V. Bhoge | 04 | 06 | 10 | 20 |
| 42 | Ku. Samiksha S. Thakare | 04 | 06 | 10 | 20 |
| 43 | Ku. Sanaparvin K. Shah | 04 | 06 | 10 | 20 |
| 44 | Ku. Shivani S. Kawde | 04 | 06 | 10 | 20 |
| 45 | Ku. Shraddha S. Kamble | 04 | 06 | 10 | 20 |
| 46 | Ku. Sneha S. Padole | 04 | 06 | 10 | 20 |
| 47 | Ku. Snehal S. Sawant | 04 | 06 | 10 | 20 |
| 48 | Ku. Vaishnavi G. Gulhane | 04 | 06 | 10 | 20 |
| 49 | Ku. Vaishnavi S. Thakare | 04 | 06 | 10 | 20 |
| 50 | Ku. Vineshwari N. Alone | 04 | 06 | 10 | 20 |
| 51 | Ku. Vrushali P. Pinjari | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 51) | 204 | 306 | 510 | 1120 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date :22.06.20

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Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
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Que.1.(A)Fill in the blanks:-

**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 22/09/2018**

All the students of B. Sc. Part I semester –I Microbiology are hereby informed that their topic for assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for assignment and submit the assignment on or before 06th October 2018.

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**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date: 22/09/2018**

All the students of B. Sc. Part I semester –I are hereby informed that their Class test (Internal assessment marks) in Microbiology will be conducted on 15th October 2018 at 2.55 a.m. in Laboratory. All students must remain present for this test examination.

| Course | Unit 1:Virology |
|---|---|

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Class Test - 2018-19

18-19

Sant Gadge Baba Amravati University

Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.I(Semester I)

-Class test- Max. Marks 30

N.B.:-1) Question No.1 is compulsory and carries six marks without any internal choice.

2) Question No.2 and Question No.3 carry equal marks with internal choice.

Que.1.(A)Fill in the blanks:- (2)

(i) ---------- discovered bacteria.

(ii) ---------- introduced streak plate method.

(B) Choose the correct answer. (2)

(i) ---------proposed germ theory of disease.

(a) Louis Pasteur (b) Robert Koch (c) Francesco Redi (d) John Needham

(ii) Medical Microbiology deals with the study and control of ----------

(a) beneficial mos (b) pathogenic mos (c) useful mos (d) none

(C) Answer in one sentence only. (2)

(i) Define Geneticengineering.

(ii) What is purpose of agar agar in nutrient media?

Que.2. (a) Give contribution of Joseph Lister in relation to antiseptic surgery.(4)

(b) Give Koch's postulates.(4)

(c) Define:-(i)Industrial Microbiology(ii) Soil Microbiology(4)

OR

(d) Explain how Robert Koch introduced Pour plate method.(4)

(e) Give contribution of Joseph Lister in relation to pure culture tech.(4)

(f) Definebiotechnology. Give names of any four products developed by this technology.(4)

Que.3. What is theory of abiogenesis . Give contributions ofLazzarro Spallanzani, Louis Pasteur and John Tyndall to disprove it. (12)

OR

What is spontaneous generation theory. Give contributions of Schulze and Schwawn, Schroeder and Von Dusch, and Louis Pasteur to disprove it. (12)

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**Record of Record of Class Tests** (2018-2019)

Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part I ( Semester – I)** Subject : **Microbiology**

| S. N. | Name Of Student | Class Test Date: 15.08.2018 | | | Int. Ass. Marks Awarded | Assignment | Total |
|---|---|---|---|---|---|---|---|
| | | Max. Mark | Mark Obtained | Pass/ Fail | | | |
| 1 | Adarsh T. Upadhyay | 30 | 26 | Pass | 12 | 08 | 20 |
| 2 | Aishwarya V.Shastrakar | 30 | 26 | Pass | 12 | 08 | 20 |
| 3 | Anjali N. Funde | 30 | 24 | Pass | 12 | 08 | 20 |
| 4 | Aparna S. Tarale | 30 | 25 | Pass | 12 | 08 | 20 |
| 5 | Apurva M. Pawar | 30 | 24 | Pass | 12 | 08 | 20 |
| 6 | Bhagyashri S. Kasturkar | 30 | 25 | Pass | 12 | 08 | 20 |
| 7 | Bhavisha D. Dhandukiya | 30 | 27 | Pass | 12 | 08 | 20 |
| 8 | Gaurav R. Meshram | 30 | 29 | Pass | 12 | 08 | 20 |
| 9 | Harshali M. Shrirame | 30 | 27 | Pass | 12 | 08 | 20 |
| 10 | Kallyani R. Saundarkar | 30 | 25 | Pass | 12 | 08 | 20 |
| 11 | Kartik S. Deogade | 30 | 29 | Pass | 12 | 08 | 20 |
| 12 | Komal R. Virulakar | 30 | 24 | Pass | 12 | 08 | 20 |
| 13 | Manisha R. Himane | 30 | 27 | Pass | 12 | 08 | 20 |
| 14 | Mrunal S. Dhemre | 30 | 27 | Pass | 12 | 08 | 20 |
| 15 | Neha D. Bedurkar | 30 | 24 | Pass | 12 | 08 | 20 |
| 16 | Nikita S. Dighade | 30 | 24 | Pass | 12 | 08 | 20 |
| 17 | Niyati S. Kucheriya | 30 | 27 | Pass | 12 | 08 | 20 |
| 18 | Prachi R. Bansod | 30 | 27 | Pass | 12 | 08 | 20 |
| 19 | Pranita N. Ambatkar | 30 | 26 | Pass | 12 | 08 | 20 |
| 20 | Pranjali P. Titare | 30 | 28 | Pass | 12 | 08 | 20 |
| 21 | Pratiksha R. Bhoyar | 30 | 25 | Pass | 12 | 08 | 20 |
| 22 | Puja S. Ambadare | 30 | 25 | Pass | 12 | 08 | 20 |
| 23 | Purvesh P. Kanere | 30 | 27 | Pass | 12 | 08 | 20 |
| 24 | Radhika R. Raut | 30 | 26 | Pass | 12 | 08 | 20 |
| 25 | Renuka P. Bhusari | 30 | 25 | Pass | 12 | 08 | 20 |
| 26 | Rushikesh N. Daware | 30 | 27 | Pass | 12 | 08 | 20 |
| 27 | Saurav P. Gadling | 30 | 28 | Pass | 12 | 08 | 20 |
| 28 | Shraddha A. Garud | 30 | 27 | Pass | 12 | 08 | 20 |
| 29 | Vaishnavi N. Kokate | 30 | 26 | Pass | 12 | 08 | 20 |
| 30 | Vaishnavi V. Gulhane | 30 | 28 | Pass | 12 | 08 | 20 |
| 31 | Wrushali R. Malwar | 30 | 25 | Pass | 12 | 08 | 20 |
| 32 | Akshay R. Ingle | 30 | 25 | Pass | 12 | 08 | 20 |
| 33 | Chetana D. Gajbhiye | 30 | 27 | Pass | 12 | 08 | 20 |
| 34 | Divya P. Nikhade | 30 | 25 | Pass | 12 | 08 | 20 |
| 35 | Harshal A. Narode | 30 | 24 | Pass | 12 | 08 | 20 |
| 36 | Mahak S. Mokati | 30 | 26 | Pass | 12 | 08 | 20 |
| 37 | Papiha R. Dable | 30 | 27 | Pass | 12 | 08 | 20 |
| 38 | Pratiksha K. Vakil | 30 | 28 | Pass | 12 | 08 | 20 |
| 39 | Purvesh T. Chandak | 30 | 27 | Pass | 12 | 08 | 20 |
| 40 | Ranu J. Sonone | 30 | 24 | Pass | 12 | 08 | 20 |
| 41 | Renuka S. Borkar | 30 | 24 | Pass | 12 | 08 | 20 |
| 42 | Rupali B. Talan | 30 | 24 | Pass | 12 | 08 | 20 |
| 43 | Sakshi R. Raut | 30 | 28 | Pass | 12 | 08 | 20 |
| 44 | Sakshi V. Rathod | 30 | 26 | Pass | 12 | 08 | 20 |
| 45 | Samruddhi S. Dongare | 30 | 25 | Pass | 12 | 08 | 20 |
| 46 | Sana Afreen. S. | 30 | 25 | Pass | 12 | 08 | 20 |
| 47 | Snehal S. Masram | 30 | 25 | Pass | 12 | 08 | 20 |
| 48 | Unnati H. Athawale | 30 | 27 | Pass | 12 | 08 | 20 |
| 49 | Vaishali G. Patil | 30 | 25 | Pass | 12 | 08 | 20 |
| 50 | Vaishnavi N. Gupta | 30 | 26 | Pass | 12 | 08 | 20 |
| 51 | A. S. Bhabutkar | 30 | 27 | Pass | 12 | 08 | 20 |
| 52 | A.M.Kharkale | 30 | 22 | Pass | 10 | 08 | 18 |
| 53 | P.M. Banasure | 30 | 24 | Pass | 12 | 08 | 20 |

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**Department Of Microbiology**

**Date: 28/08/18**

**Notice**

All the students of **B. Sc. Part II semester –III** Microbiology are hereby informed that their **topic for project assignment** (as a part of their internal assessment) has been finalized. Students are advised to note their project topic and submit printed project assignment on the recent development in the field given, on or before 27.09.2018.

| S.N. | Name of Student | Seminar Topic |
|---|---|---|
| 1 | Ku. Aasiya Parveen S. Husain | Modes of DNA Replication |
| 2 | Ku. Aishwarya S. Kale | Mechanism of DNA Replication |
| 3 | Ku. Anushri D. Nagpure | Photoreactivation |
| 4 | Ku. Aparna D. Uike | Characteristics of Genetic Code |
| 5 | Ku. Hema s. jagtap | Transcription |
| 6 | Himanshu S. Shende | Rolling circle mechanism of DNA Replication |
| 7 | Ku. Jayashree R. Yende | Discovery of Transformation |
| 8 | Mayur O. Titare | Generalized Transduction |
| 9 | Ku. Nikita P. Jadhao | Discovery of Conjugation(Lederberg-Tatum Experiment) |
| 10 | Ku. Nishant S. Jambhulkar | Preparation of Pure Sample of DNA |
| 11 | Ku. Nutan B. Lawankar | Modifying Enzymes Used in Genetic engineering |
| 12 | Owes R. Mugal | Vectors |
| 13 | Ku. Piyusha D. Kalbande | Southern blotting technique |
| 14 | Ku. Poonam C. Bhansali | Hfr formation |
| 15 | Ku. Pratiksha G. Tarpe | Production of Insulin(Biotechnological concept) |
| 16 | Ku. Rachana R. Sharma | Gene Therapy |
| 17 | Ku. Riddhi V. Bhande | Mechanism Of Transformation |
| 18 | Sagar G. Sontakke | Translation of protein |
| 19 | Ku. Sakshi S. Mohod | Dark repair of DNA |
| 20 | Ku. Samruddhi V. Mahalle | DNA helicases |
| 21 | Ku. Vaishnavi S. Hiwarkar | DNA polymerase |
| 22 | Ku. Vaishnavi S. Chandak | RNA polymerase |
| 23 | Ku. Vaishnavi V. Rannaware | Topoisomerase |
| 24 | Ku. Zarrin Fatema Z. Ahmad | Agarose gel electrophoresis |
| 25 | Ku. Akansha S. Chaudhari | Overlappining genes |
| 26 | Ku. Amruta P. Gorde | Zinder and Lederberg experiment |
| 27 | Ku. Ashwini S. Patil | Griffith experiment |
| 28 | Ku. Dipali K. Joi | Meselson – stahl experiment |
| 29 | Ku. Harshada Y. Bhendarkar | Lederberg – Tatum experiment |
| 30 | Ku. Kajal R. Panpaliya | Experiment of Davis |
| 31 | Ku. Manasi L. Ranit | Restriction endonucleases |
| 32 | Ku. Nikita A. Sontakke | DNA ligases |
| 33 | Ku. Nikita R. Dole | Plasmids as vector |
| 34 | Ku. Papiha P. Zele | Cosmids as vector |
| 35 | Ku. Payal S. Bansod | Restricted transduction |
| 36 | Ku. Pooja D. Khadse | Semiconservative mode of DNA replication |
| 37 | Ku. Pranjali S. Lute | Discovery of transformation |
| 38 | Ku. Pratiksha R. Thakare | Physical mutagens |
| 39 | Ku. Pratiksha V. Yesankar | Chemical mutagens |
| 40 | Ku. Prerana S. Kharapkar | Cloning |
| 41 | Ku. Roshani Anil Hiware | Base pair Substitution Mutation |
| 42 | Ku. Sakshi S. Thakare | Nitrous oxide as mutagen |
| 43 | Ku. Sakshi V. Bhoge | Gene Library |
| 44 | Ku. Samiksha S. Thakare | Acrydine dyes as mutagen |
| 45 | Ku. Sanaparvin K. Shah | X-rays as mutagen |
| 46 | Ku. Shivani S. Kawde | U. V. light as mutagen |
| 47 | Ku. Shraddha S. Kamble | Frame-shift mutation |
| 48 | Ku. Sneha S. Padole | Non-sense mutation |
| 49 | Ku. Snehal S. Sawant | Silent mutations |
| 50 | Ku. Vaishnavi G. Gulhane | Supercoil relaxing enzymes |
| 51 | Ku. Vaishnavi S. Thakare | Transgenic plants |
| 52 | Ku. Vineshwari N. Alone | Genetically Modified Organism (GMO) |
| 53 | Ku. Vrushali P. Pinjari | Recombinant insulin |

(Dr. V. A.Kamble)

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**Department Of Microbiology**

**Notice** **Date: 28/08/18**

All the students of **B. Sc. Part II semester –III** Microbiology are hereby informed that their **topic for seminar** (as a part of their internal assessment) has been finalized. Students are advised to note their topic.

| S.N. | Name of Student | Seminar Topic |
|---|---|---|
| 1 | Ku. Aasiya Parveen S. Husain | Modes of DNA Replication 29\|9\|18 |
| 2 | Ku. Aishwarya S. Kale | Mechanism of DNA Replication 28\|9\|18 |
| 3 | Ku. Anushri D. Nagpure | Photoreactivation 27\|9\|18 |
| 4 | Ku. Aparna D. Uike | Characteristics of Genetic Code 27\|9\|18 |
| 5 | Ku. Hema s. jagtap | Transcription 29\|9\|18 |
| 6 | Himanshu S. Shende | Rolling circle mechanism of DNA Replication 27\|9\|18 |
| 7 | Ku. Jayashree R. Yende | Discovery of Transformation 27\|9\|18 |
| 8 | Mayur O. Titare | Generalized Transduction 27\|9\|18 |
| 9 | Ku. Nikita P. Jadhao | Discovery of Conjugation(Lederberg-Tatum Experiment) 27\|9\|18 |
| 10 | ~~Ku. Nishant S. Jambhulkar~~ | ~~Preparation of Pure Sample of DNA~~ |
| 11 | Ku. Nutan B. Lawankar | Modifying Enzymes Used in Genetic engineering 27\|9\|18 |
| 12 | Owes R. Mugal | Vectors 27\|9\|18 |
| 13 | Ku. Piyusha D. Kalbande | Southern blotting technique 29\|9\|18 |
| 14 | Ku. Poonam C. Bhansali | Hfr formation |
| 15 | Ku. Pratiksha G. Tarpe | Production of Insulin(Biotechnological concept) 27\|9\|18 |
| 16 | Ku. Rachana R. Sharma | Gene Therapy 29\|9\|18 |
| 17 | Ku. Riddhi V. Bhande | Mechanism Of Transformation 29\|9\|18 |
| 18 | Sagar G. Sontakke | Translation of protein 29\|9\|18 |
| 19 | Ku. Sakshi S. Mohod | Dark repair of DNA 27\|9\|18 |
| 20 | Ku. Samruddhi V. Mahalle | DNA helicases 29\|9\|18 |
| 21 | Ku. Vaishnavi S. Hiwarkar | DNA polymerase 27\|9\|18 |
| 22 | Ku. Vaishnavi S. Chandak | RNA polymerase 27\|09\|18 |
| 23 | Ku. Vaishnavi V. Rannaware | Topoisomerase 27\|9\|18 |
| 24 | Ku. Zarrin Fatema Z. Ahmad | Agarose gel electrophoresis 28\|9\|18 |
| 25 | Ku. Akansha S. Chaudhari | Overlappining genes 27\|9\|18 |
| 26 | Ku. Amruta P. Gorde | Zinder and Lederberg experiment 27\|9\|18 |
| 27 | Ku. Ashwini S. Patil | Griffith experiment 27\|9\|18 |
| 28 | Ku. Dipali K. Joi | Meselson – stahl experiment 27\|8\|2018 |
| 29 | Ku. Harshada Y. Bhendarkar | Lederberg – Tatum experiment 27\|9\|18 |
| 30 | Ku. Kajal R. Panpaliya | Experiment of Davis 27\|9\|18 |
| 31 | Ku. Manasi L. Ranit | Restriction endonucleases 27\|9\|18 |
| 32 | Ku. Nikita A. Sontakke | DNA ligases 27\|9\|18 |
| 33 | Ku. Nikita R. Dole | Plasmids as vector 27\|9\|18 |
| 34 | Ku. Papiha P. Zele | Cosmids as vector 27\|9\|18 |
| 35 | Ku. Payal S. Bansod | Restricted transduction 27\|9\|18 |
| 36 | Ku. Pooja D. Khadse | Semiconservative mode of DNA replication 13\|10\|18 |
| 37 | Ku. Pranjali S. Lute | Discovery of transformation 27\|9\|18 |
| 38 | Ku. Pratiksha R. Thakare | Physical mutagens 27\|9\|18 |
| 39 | Ku. Pratiksha V. Yesankar | Chemical mutagens 27\|9\|18 |
| 40 | Ku. Prerana S. Kharapkar | Cloning 27\|9\|18 |
| 41 | Ku. Roshani Anil Hiware | Base pair Substitution Mutation 27\|9\|18 |
| 42 | Ku. Sakshi S. Thakare | Nitrous oxide as mutagen 27\|9\|18 |
| 43 | Ku. Sakshi V. Bhoge | Gene Library 27\|9\|18 |
| 44 | Ku. Samiksha S. Thakare | Acrydine dyes as mutagen 27\|9\|18 |
| 45 | Ku. Sanaparvin K. Shah | X-rays as mutagen 27\|9\|18 |
| 46 | Ku. Shivani S. Kawde | U. V. light as mutagen 27\|9\|18 |
| 47 | Ku. Shraddha S. Kamble | Frame-shift mutation 27\|9\|18 |
| 48 | Ku. Sneha S. Padole | Non-sense mutation 27\|9\|18 |
| 49 | Ku. Snehal S. Sawant | Silent mutations 27\|9\|18 |
| 50 | Ku. Vaishnavi G. Gulhane | Supercoil relaxing enzymes 27\|9\|18 |
| 51 | Ku. Vaishnavi S. Thakare | Transgenic plants 27\|9\|18 |
| 52 | Ku. Vineshwari N. Alone | Genetically Modified Organism (GMO) 27\|9\|18 |
| 53 | Ku. Vrushali P. Pinjari | Recombinant insulin 27\|9\|18 |

(Dr. V. A.Kamble) (52)

Principal

Adarsha Science, J. B. Arts & Birla Comm. Mahavidyalaya Dhamangaon (Rly.)

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 24/09/2018

## NOTICE

All the students B. Sc. Part II Semester - III Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on 05th October, 2018 at 3.00 pm in Microbiology Laboratory. All Students must remain present for the test examination.

Course For Test Examination : **Unit No. 1 : Gene Multiplication And Expression, Unit No. III Genetic Recombinations**

(Dr. V A. Kamble)
Concerned Teacher

(Dr. Y. B. Gandole)

Principal

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Class Test Examination 2018**

**B. Sc. Part II 3 S – Microbiology (Molecular Biology and Genetic Engineering) Unit : I & III**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

---

Que.1.(A) Fill in the blanks:- 2

i) Genes of which DNA sequence is not continuous but is made up of pieces scattered in the chromosome is known as .....

ii) Transformation was first discovered in bacterium ---------- .

iii) The genetic unit of function is known as ----------

iv) The separation of the two strands of duplex DNA is catalysed by the enzyme ----------

(B) Choose the correct answer. 1

(i) Sexuality of ( male & female cell) is determined by the presence of

a) Chromosome b) sex pili c) flagella d) cellwall

(ii) Cell to cell contact is not necessary in

a) Transduction b) Conjugation

c) Transformation d) Transformation & transduction

(C) Give the answer of following in ONE sentence each. 3

a) What is the role of ligase enzyme in DNA replication

b) Define translation

c) What is the role of topoisomerase in DNA replication

Que 2 Describe in brief experiment of Griffith, Avery, MacLeod and McCarty to prove genetic transformation (12

OR

What is transduction ? Describe in detail mechanism of transduction . (12)

Que 3 a) Give any six characteristics of genetic code (4)

b) Describe in brief transcription (4)

c) Describe in brief photoreactivation (4)

or

d) Describe in brief different modes of DNA replication (4)

e) Describe in brief Meselson – Stahl experiment (4)

f) Explain rolling circle model of DNA replication (4)

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department Of Microbiology**

Following students B.Sc. Part II semester III were present for the class test conducted on 05th October, 2018

| S.N. | Name of Student | Signature |
|---|---|---|
| 1 | Ku. Aasiya Parveen S. Husain | Aasiya |
| 2 | Ku. Aishwarya S. Kale | A.Kale |
| 3 | Ku. Anushri D. Nagpure | Nagpure |
| 4 | Ku. Aparna D. Uike | Uike |
| 5 | Ku. Hema s. jagtap | Jagtap |
| 6 | Himanshu S. Shende | Shende |
| 7 | Ku. Jayashree R. Yende | ABSENT 15-10-18. |
| 8 | Mayur O. Titare | Titare |
| 9 | Ku. Nikita P. Jadhao | Jadhao |
| 10 | Ku. Nutan B. Lawankar | Nutan |
| 11 | Owes R. Mugal | Rmugal |
| 12 | Ku. Piyusha D. Kalbande | Kalbande |
| 13 | Ku. Poonam C. Bhansali | ABSENT |
| 14 | Ku. Pratiksha G. Tarpe | Tarpe |
| 15 | Ku. Rachana R. Sharma | Sharma |
| 16 | Ku. Riddhi V. Bhande | D.V. Bhande. |
| 17 | Sagar G. Sontakke | S.G Sontakke |
| 18 | Ku. Sakshi S. Mohod | Mohod. |
| 19 | Ku. Samruddhi V. Mahalle | S. Mahalle. |
| 20 | Ku. Vaishnavi S. Hiwarkar | Vaishnavi Chandak |
| 21 | Ku. Vaishnavi S. Chandak | Rannaware |
| 22 | Ku. Vaishnavi V. Rannaware | Zarrin |
| 23 | Ku. Zarrin Fatema Z. Ahmad | Chaudhari |
| 24 | Ku. Akansha S. Chaudhari | Apleorale |
| 25 | Ku. Amruta P. Gorde | Patil |
| 26 | Ku. Ashwini S. Patil | D.K. Joi |
| 27 | Ku. Dipali K. Joi | Bhendarkar. |
| 28 | Ku. Harshada Y. Bhendarkar | Kajal |
| 29 | Ku. Kajal R. Panpaliya | Ranit |
| 30 | Ku. Manasi L. Ranit | N.A. Sontakke |
| 31 | Ku. Nikita A. Sontakke | N.R. Dole |
| 32 | Ku. Nikita R. Dole | Pzele. |
| 33 | Ku. Papiha P. Zele | Bansod. |
| 34 | Ku. Payal S. Bansod | Khadse |
| 35 | Ku. Pooja D. Khadse | Plute |
| 36 | Ku. Pranjali S. Lute | Thakare |
| 37 | Ku. Pratiksha R. Thakare | Yesankar |
| 38 | Ku. Pratiksha V. Yesankar | P.S. Kharapkar. |
| 39 | Ku. Prerana S. Kharapkar | Hiware |
| 40 | Ku. Roshani Anil Hiware | Thakare. |
| 41 | Ku. Sakshi S. Thakare | Bhoge. |
| 42 | Ku. Sakshi V. Bhoge | Thakare |
| 43 | Ku. Samiksha S. Thakare | Shah. |
| 44 | Ku. Sanaparvin K. Shah | Kawde |
| 45 | Ku. Shivani S. Kawde | S.S. Kamble. |
| 46 | Ku. Shraddha S. Kamble | S.S Padole. |
| 47 | Ku. Sneha S. Padole | Sawant. |
| 48 | Ku. Snehal S. Sawant | Gulhane |
| 49 | Ku. Vaishnavi G. Gulhane | Thakare |
| 50 | Ku. Vaishnavi S. Thakare | V.N. Alone. |
| 51 | Ku. Vineshwari N. Alone | VPP. |
| 52 | Ku. Vrushali P. Pinjari | |

(Dr. V. A.Kamble)

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**Consolidated Records of Internal Assignment Works 2018-2019**

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly
Class: B.Sc. Part: I ( Semester – II) Subject: Microbiology Paper: – V (Microbiology (Medical Microbiology)
Name of Teacher: Dr. V. A. Kamble Designation: Professor in Microbiology

| S.N. | Name of Student | Project Assignment Max. Marks:- 04 | Seminar Max. Marks:-06 | Class Tests Max. Marks:- 10 | Total Max. Marks:- 20 | |
|---|---|---|---|---|---|---|
| 1 | Ku. Aasiya Parveen S. Husain | 04 | 06 | 10 | 20 | 29486 |
| 2 | Ku. Aishwarya S. Kale | 04 | 06 | 10 | 20 | 29488 |
| 3 | Ku. Anushri D. Nagpure | 04 | 06 | 10 | 20 | 29432 |
| 4 | Ku. Aparna D. Uike | 04 | 06 | 10 | 20 | 29493 |
| 5 | Ku. Hema s. Jagtap | 04 | 06 | 10 | 20 | 29501 |
| 6 | Himanshu S. Shende | 04 | 06 | 10 | 20 | 29472 |
| 7 | Ku. Jayashree R. Vende | 04 | 06 | 10 | 20 | 29512 |
| 8 | Mayur D. Thare | 04 | 06 | 10 | 20 | 29534 |
| 9 | Ku. Nikita P. Jaiftao | 04 | 06 | 10 | 20 | 29572 |
| 10 | Ku. Nutan B. Lawanikar | 04 | 06 | 10 | 20 | 29575 |
| 11 | Qwes R. Mugal | 04 | 06 | 10 | 20 | 29576 |
| 12 | Ku. Piyusha D. Kalbande | 04 | 06 | 10 | 20 | 29519 |
| 13 | Ku. Poonam C. Bhansali | 00 | 00 | 00 | 00 | 29581 |
| 14 | Ku. Pratiksha G. Darpe | 04 | 06 | 10 | 20 | 29525 |
| 15 | Ku. Rachana R. Sharma | 04 | 06 | 10 | 20 | 29529 |
| 16 | Ku. Riddhi V. Bhamle | 04 | 06 | 10 | 20 | 29591 |
| 17 | Sagar G. Suntakke | 04 | 06 | 10 | 20 | 29618 |
| 18 | Ku. Sakshi S. Mohod | 04 | 06 | 10 | 20 | 29533 |
| 19 | Ku. Samruddhi V. Mahalle | 04 | 06 | 10 | 20 | 29535 |
| 20 | Ku. Vaishnavi S. Hiwarkar | 04 | 06 | 10 | 20 | 29648 |
| 21 | Ku. Vaishnavi S. Chandak | 04 | 06 | 10 | 20 | 29545 |
| 22 | Ku. Vaishnavi V. Ramawane | 04 | 06 | 10 | 20 | 29546 |
| 23 | Ku. Zarrin Fatema Z. Ahmad | 04 | 06 | 10 | 20 | 29550 |
| 24 | Ku. Akansha S. Chaudhari | 04 | 06 | 10 | 20 | 29484 |
| 25 | Ku. Amruta P. Gavde | 04 | 06 | 10 | 20 | 29429 |
| 26 | Ku. Ashwini S. Patil | 04 | 06 | 10 | 20 | 29447 |
| 27 | Ku. Dipali K. Joi | 04 | 06 | 10 | 20 | 29497 |
| 28 | Ku. Harshada Y. Bhembarkar | 04 | 06 | 10 | 20 | 29468 |
| 29 | Ku. Kajal R. Pangaliya | 04 | 06 | 10 | 20 | 29477 |
| 30 | Ku. Manasi L. Ramt | 04 | 06 | 10 | 20 | 29511 |
| 31 | Ku. Nikita A. Suntakke | 04 | 06 | 10 | 20 | 29567 |
| 32 | Ku. Nikita R. Dole | 04 | 06 | 10 | 20 | 29516 |
| 33 | Ku. Papiha P. Zade | 04 | 06 | 10 | 20 | 29518 |
| 34 | Ku. Payal S. Bansod | 04 | 06 | 10 | 20 | 29579 |
| 35 | Ku. Pooja D. Khaske | 04 | 06 | 10 | 20 | 29581 |
| 36 | Ku. Pranjali S. Lute | 04 | 06 | 10 | 20 | 29594 |
| 37 | Ku. Pratiksha R. Thakare | 04 | 06 | 10 | 20 | 29526 |
| 38 | Ku. Pratiksha V. Yesankar | 04 | 06 | 10 | 20 | 29597 |
| 39 | Ku. Prerana S. Khurpikar | 04 | 06 | 10 | 20 | 29598 |
| 40 | Ku. Roshani Anil Hiware | 04 | 06 | 10 | 20 | 29582 |
| 41 | Ku. Sakshi S. Thakare | 04 | 06 | 10 | 20 | 29623 |
| 42 | Ku. Sakshi V. Bhoge | 04 | 06 | 10 | 20 | 29625 |
| 43 | Ku. Samiksha S. Thakare | 04 | 06 | 10 | 20 | 29627 |
| 44 | Ku. Sanaparvin K. Shah | 04 | 06 | 10 | 20 | 29628 |
| 45 | Ku. Shivani S. Kawte | 04 | 06 | 10 | 20 | 29633 |
| 46 | Ku. Shraddha S. Kamble | 04 | 06 | 10 | 20 | 29558 |
| 47 | Ku. Sneha S. Patole | 04 | 06 | 10 | 20 | 29542 |
| 48 | Ku. Snehal S. Sawant | 04 | 06 | 10 | 20 | 29543 |
| 49 | Ku. Vaishnavi G. Gulhane | 04 | 06 | 10 | 20 | 29548 |
| 50 | Ku. Vaishnavi S. Thakare | 04 | 06 | 10 | 20 | 29653 |
| 51 | Ku. Vineshwari N. Alone | 04 | 06 | 10 | 20 | 29662 |
| 52 | Ku. Vrushali P. Pujari | 04 | 06 | 10 | 20 | 29664 |
| | TOTAL (1 TO 52) | 204 | 306 | 520 | 1020 | |

Name and Signature of Teacher

Principal
Adarsha Science, J. B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon (Rly)

Signature of H. O. D.

Department of Microbiology
Adarsha Sci., J. B. Arts & Birla

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**Seminar / Group Discussion/ Study Tour** (2018-2019)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 3 S Microbiology (Molecukar Biology & Genetic Engineering)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Seminar | Date Of seminar | Marks Awarded |
|---|---|---|---|---|
| 1 | Ku. Aasiya Parveen S. Husain | Modes of DNA Replication | 29.09.2018 | 06 |
| 2 | Ku. Aishwarya S. Kale | Mechanism of DNA Replication | 12.10.2018 | 06 |
| 3 | Ku. Anushri D. Nagpure | Photoreactivation | 29.09.2018 | 06 |
| 4 | Ku. Aparna D. Uike | Characteristics of Genetic Code | 19.10.2018 | 06 |
| 5 | Ku. Hema s. Jagtap | Transcription | 19.10.2018 | 06 |
| 6 | Himanshu S. Shende | Rolling circle mechanism of DNA Replication | 12.10.2018 | 06 |
| 7 | Ku. Jayashree R. Yende | Discovery of Transformation | 12.10.2018 | 06 |
| 8 | Mayur O. Titare | Generalized Transduction | 12.10.2018 | 06 |
| 9 | Ku. Nikita P. Jadhao | Discovery of Conjugation(Lederberg-Tatum Exp) | 12.10.2018 | 06 |
| 10 | Ku. Nutan B. Lawankar | Modifying Enzymes Used in Genetic engineering | 13.10.2018 | 06 |
| 11 | Owes R. Mugal | Vectors | 12.10.2018 | 06 |
| 12 | Ku. Piyusha D. Kalbande | Southern blotting technique | 13.10.2018 | 06 |
| 13 | Ku. Poonam C. Bhansali | Hfr formation | Not given | 00 |
| 14 | Ku. Pratiksha G. Tarpe | Production of Insulin(Biotechnological concept) | 13.10.2018 | 06 |
| 15 | Ku. Rachana R. Sharma | Gene Therapy | 19.10.2018 | 06 |
| 16 | Ku. Riddhi V. Bhande | Mechanism Of Transformation | 13.10.2018 | 06 |
| 17 | Sagar G. Sontakke | Translation of protein | 15.10.2018 | 06 |
| 18 | Ku. Sakshi S. Mohod | Dark repair of DNA | 13.10.2018 | 06 |
| 19 | Ku. Samruddhi V. Mahalle | DNA helicases | 13.10.2018 | 06 |
| 20 | Ku. Vaishnavi S. Hiwarkar | DNA polymerase | 13.10.2018 | 06 |
| 21 | Ku. Vaishnavi S. Chandak | RNA polymerase | 19.10.2018 | 06 |
| 22 | Ku. Vaishnavi V. Rannaware | Topoisomerase | 15.10.2018 | 06 |
| 23 | Ku. Zarrin Fatema Z. Ahmad | Agarose gel electrophoresis | 13.10.2018 | 06 |
| 24 | Ku. Akansha S. Chaudhari | Overlappining genes | 13.10.2018 | 06 |
| 25 | Ku. Amruta P. Gorde | Zinder and Lederberg experiment | 06.10.2018 | 06 |
| 26 | Ku. Ashwini S. Patil | Griffith experiment | 20.10.2018 | 06 |
| 27 | Ku. Dipali K. Joi | Meselson – stahl experiment | 06.10.2018 | 06 |
| 28 | Ku. Harshada Y. Bhendarkar | Lederberg – Tatum experiment | 12.10.2018 | 06 |
| 29 | Ku. Kajal R. Panpaliya | Experiment of Davis | 06.10.2018 | 06 |
| 30 | Ku. Manasi L. Ranit | Restriction endonucleases | 15.10.2018 | 06 |
| 31 | Ku. Nikita A. Sontakke | DNA ligases | 12.10.2018 | 06 |
| 32 | Ku. Nikita R. Dole | Plasmids as vector | 13.10.2018 | 06 |
| 33 | Ku. Papiha P. Zele | Cosmids as vector | 19.10.2018 | 06 |
| 34 | Ku. Payal S. Bansod | Restricted transduction | 19.10.2018 | 06 |
| 35 | Ku. Pooja D. Khadse | Semiconservative mode of DNA replication | 20.10.2018 | 06 |
| 36 | Ku. Pranjali S. Lute | Discovery of transformation | 19.10.2018 | 06 |
| 37 | Ku. Pratiksha R. Thakare | Physical mutagens | 20.10.2018 | 06 |
| 38 | Ku. Pratiksha V. Yesankar | Chemical mutagens | 15.10.2018 | 06 |
| 39 | Ku. Prerana S. Kharapkar | Cloning | 12.10.2018 | 06 |
| 40 | Ku. Roshani Anil Hiware | Base pair Substitution Mutation | 06.10.2018 | 06 |
| 41 | Ku. Sakshi S. Thakare | Nitrous oxide as mutagen | 15.10.2018 | 06 |
| 42 | Ku. Sakshi V. Bhoge | Gene Library | 15.10.2018 | 06 |
| 43 | Ku. Samiksha S. Thakare | Acrydine dyes as mutagen | 13.10.2018 | 06 |
| 44 | Ku. Sanaparvin K. Shah | X-rays as mutagen | 19.10.2018 | 06 |
| 45 | Ku. Shivani S. Kawde | U. V. light as mutagen | 19.10.2018 | 06 |
| 46 | Ku. Shraddha S. Kamble | Frame-shift mutation | 13.10.2018 | 06 |
| 47 | Ku. Sneha S. Padole | Non-sense mutation | 13.10.2018 | 06 |
| 48 | Ku. Snehal S. Sawant | Silent mutations | 20.10.2018 | 06 |
| 49 | Ku. Vaishnavi G. Gulhane | Supercoil relaxing enzymes | 13.10.2018 | 06 |
| 50 | Ku. Vaishnavi S. Thakare | Transgenic plants | 19.10.2018 | 06 |
| 51 | Ku. Vineshwari N. Alone | Genetically Modified Organism (GMO) | 19.10.2018 | 06 |
| 52 | Ku. Vrushali P. Pinjari | Recombinant insulin | 06.10.2018 | 06 |
| | TOTAL (1 TO 52) | | | 306 |

Name and Signature of Teacher

Principal
Adarsha Science, J. B. Arts & Birla Comm. Mahavidyalaya Dhamangaon (Rly)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla

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**Record of Record of Class Tests** (2018-2019)

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 3 S Microbiology (Molecukar Biology & Genetic Engineering)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Class Test Date: 05.10.2018 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Mark | Mark Obtained | Pass/ Fail | |
| 1 | Ku. Aasiya Parveen S. Husain | 30 | 30 | Pass | 10 |
| 2 | Ku. Aishwarya S. Kale | 30 | 30 | Pass | 10 |
| 3 | Ku. Anushri D. Nagpure | 30 | 29 | Pass | 10 |
| 4 | Ku. Aparna D. Uike | 30 | 26 | Pass | 10 |
| 5 | Ku. Hema s. Jagtap | 30 | 27 | Pass | 10 |
| 6 | Himanshu S. Shende | 30 | 25 | Pass | 10 |
| 7 | Ku. Jayashree R. Yende | 30 | 26 | Pass | 10 |
| 8 | Mayur O. Titare | 30 | 28 | Pass | 10 |
| 9 | Ku. Nikita P. Jadhao | 30 | 30 | Pass | 10 |
| 10 | Ku. Nutan B. Lawankar | 30 | 30 | Pass | 10 |
| 11 | Owes R. Mugal | 30 | 24 | Pass | 10 |
| 12 | Ku. Piyusha D. Kalbande | 30 | 28 | Pass | 10 |
| 13 | Ku. Poonam C. Bhansali | 30 | Not given | Fail | 00 |
| 14 | Ku. Pratiksha G. Tarpe | 30 | 29 | Pass | 10 |
| 15 | Ku. Rachana R. Sharma | 30 | 24 | Pass | 10 |
| 16 | Ku. Riddhi V. Bhande | 30 | 24 | Pass | 10 |
| 17 | Sagar G. Sontakke | 30 | 24 | Pass | 10 |
| 18 | Ku. Sakshi S. Mohod | 30 | 24 | Pass | 10 |
| 19 | Ku. Samruddhi V. Mahalle | 30 | 25 | Pass | 10 |
| 20 | Ku. Vaishnavi S. Hiwarkar | 30 | 24 | Pass | 10 |
| 21 | Ku. Vaishnavi S. Chandak | 30 | 26 | Pass | 10 |
| 22 | Ku. Vaishnavi V. Rannaware | 30 | 25 | Pass | 10 |
| 23 | Ku. Zarrin Fatema Z. Ahmad | 30 | 27 | Pass | 10 |
| 24 | Ku. Akansha S. Chaudhari | 30 | 27 | Pass | 10 |
| 25 | Ku. Amruta P. Gorde | 30 | 26 | Pass | 10 |
| 26 | Ku. Ashwini S. Patil | 30 | 24 | Pass | 10 |
| 27 | Ku. Dipali K. Joi | 30 | 27 | Pass | 10 |
| 28 | Ku. Harshada Y. Bhendarkar | 30 | 30 | Pass | 10 |
| 29 | Ku. Kajal R. Panpaliya | 30 | 30 | Pass | 10 |
| 30 | Ku. Manasi L. Ranit | 30 | 29 | Pass | 10 |
| 31 | Ku. Nikita A. Sontakke | 30 | 29 | Pass | 10 |
| 32 | Ku. Nikita R. Dole | 30 | 26 | Pass | 10 |
| 33 | Ku. Papiha P. Zele | 30 | 26 | Pass | 10 |
| 34 | Ku. Payal S. Bansod | 30 | 25 | Pass | 10 |
| 35 | Ku. Pooja D. Khadse | 30 | 25 | Pass | 10 |
| 36 | Ku. Pranjali S. Lute | 30 | 26 | Pass | 10 |
| 37 | Ku. Pratiksha R. Thakare | 30 | 30 | Pass | 10 |
| 38 | Ku. Pratiksha V. Yesankar | 30 | 25 | Pass | 10 |
| 39 | Ku. Prerana S. Kharapkar | 30 | 30 | Pass | 10 |
| 40 | Ku. Roshani Anil Hiware | 30 | 27 | Pass | 10 |
| 41 | Ku. Sakshi S. Thakare | 30 | 24 | Pass | 10 |
| 42 | Ku. Sakshi V. Bhoge | 30 | 24 | Pass | 10 |
| 43 | Ku. Samiksha S. Thakare | 30 | 26 | Pass | 10 |
| 44 | Ku. Sanaparvin K. Shah | 30 | 26 | Pass | 10 |
| 45 | Ku. Shivani S. Kawde | 30 | 26 | Pass | 10 |
| 46 | Ku. Shraddha S. Kamble | 30 | 26 | Pass | 10 |
| 47 | Ku. Sneha S. Padole | 30 | 29 | Pass | 10 |
| 48 | Ku. Snehal S. Sawant | 30 | 29 | Pass | 10 |
| 49 | Ku. Vaishnavi G. Gulhane | 30 | 26 | Pass | 10 |
| 50 | Ku. Vaishnavi S. Thakare | 30 | 29 | Pass | 10 |
| 51 | Ku. Vineshwari N. Alone | 30 | 24 | Pass | 10 |
| 52 | Ku. Vrushali P. Pinjari | 30 | 30 | Pass | 10 |
| | TOTAL (1 TO 51) | | | | 510 |

Name and Signature of Teacher

Principal
PRINCIPAL
Adarsha Science, J. B. Arts & Birla Comm. Mahavidyalaya Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,

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# Record of Internal Assessment Marks of Project Assignment (2018-2019)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya,Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – III)** Subject : **Microbiology** Paper- 3 S Microbiology (Molecukar Biology & Genetic Engineering)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | Ku. Aasiya Parveen S. Husain | 28.08.2018 | 29.09.2018 | 04 |
| 2 | Ku. Aishwarya S. Kale | 28.08.2018 | 28.09.2018 | 04 |
| 3 | Ku. Anushri D. Nagpure | 28.08.2018 | 27.09.2018 | 04 |
| 4 | Ku. Aparna D. Uike | 28.08.2018 | 27.09.2018 | 04 |
| 5 | Ku. Hema s. Jagtap | 28.08.2018 | 29.09.2018 | 04 |
| 6 | Himanshu S. Shende | 28.08.2018 | 27.09.2018 | 04 |
| 7 | Ku. Jayashree R. Yende | 28.08.2018 | 27.09.2018 | 04 |
| 8 | Mayur O. Titare | 28.08.2018 | 27.09.2018 | 04 |
| 9 | Ku. Nikita P. Jadhao | 28.08.2018 | 27.09.2018 | 04 |
| 10 | Ku. Nutan B. Lawankar | 28.08.2018 | 27.09.2018 | 04 |
| 11 | Owes R. Mugal | 28.08.2018 | 27.09.2018 | 04 |
| 12 | Ku. Piyusha D. Kalbande | 28.08.2018 | 29.09.2018 | 04 |
| 13 | Ku. Poonam C. Bhansali | 28.08.2018 | Not given | 00 |
| 14 | Ku. Pratiksha G. Tarpe | 28.08.2018 | 27.09.2018 | 04 |
| 15 | Ku. Rachana R. Sharma | 28.08.2018 | 29.09.2018 | 04 |
| 16 | Ku. Riddhi V. Bhande | 28.08.2018 | 29.09.2018 | 04 |
| 17 | Sagar G. Sontakke | 28.08.2018 | 29.09.2018 | 04 |
| 18 | Ku. Sakshi S. Mohod | 28.08.2018 | 27.09.2018 | 04 |
| 19 | Ku. Samruddhi V. Mahalle | 28.08.2018 | 29.09.2018 | 04 |
| 20 | Ku. Vaishnavi S. Hiwarkar | 28.08.2018 | 27.09.2018 | 04 |
| 21 | Ku. Vaishnavi S. Chandak | 28.08.2018 | 27.09.2018 | 04 |
| 22 | Ku. Vaishnavi V. Rannaware | 28.08.2018 | 27.09.2018 | 04 |
| 23 | Ku. Zarrin Fatema Z. Ahmad | 28.08.2018 | 28.09.2018 | 04 |
| 24 | Ku. Akansha S. Chaudhari | 28.08.2018 | 27.09.2018 | 04 |
| 25 | Ku. Amruta P. Gorde | 28.08.2018 | 27.09.2018 | 04 |
| 26 | Ku. Ashwini S. Patil | 28.08.2018 | 27.09.2018 | 04 |
| 27 | Ku. Dipali K. Joi | 28.08.2018 | 27.09.2018 | 04 |
| 28 | Ku. Harshada Y. Bhendarkar | 28.08.2018 | 27.09.2018 | 04 |
| 29 | Ku. Kajal R. Panpaliya | 28.08.2018 | 27.09.2018 | 04 |
| 30 | Ku. Manasi L. Ranit | 28.08.2018 | 27.09.2018 | 04 |
| 31 | Ku. Nikita A. Sontakke | 28.08.2018 | 27.09.2018 | 04 |
| 32 | Ku. Nikita R. Dole | 28.08.2018 | 27.09.2018 | 04 |
| 33 | Ku. Papiha P. Zele | 28.08.2018 | 27.09.2018 | 04 |
| 34 | Ku. Payal S. Bansod | 28.08.2018 | 27.09.2018 | 04 |
| 35 | Ku. Pooja D. Khadse | 28.08.2018 | 13.10.2018 | 04 |
| 36 | Ku. Pranjali S. Lute | 28.08.2018 | 27.09.2018 | 04 |
| 37 | Ku. Pratiksha R. Thakare | 28.08.2018 | 27.09.2018 | 04 |
| 38 | Ku. Pratiksha V. Yesankar | 28.08.2018 | 27.09.2018 | 04 |
| 39 | Ku. Prerana S. Kharapkar | 28.08.2018 | 27.09.2018 | 04 |
| 40 | Ku. Roshani Anil Hiware | 28.08.2018 | 27.09.2018 | 04 |
| 41 | Ku. Sakshi S. Thakare | 28.08.2018 | 27.09.2018 | 04 |
| 42 | Ku. Sakshi V. Bhoge | 28.08.2018 | 27.09.2018 | 04 |
| 43 | Ku. Samiksha S. Thakare | 28.08.2018 | 27.09.2018 | 04 |
| 44 | Ku. Sanaparvin K. Shah | 28.08.2018 | 27.09.2018 | 04 |
| 45 | Ku. Shivani S. Kawde | 28.08.2018 | 27.09.2018 | 04 |
| 46 | Ku. Shraddha S. Kamble | 28.08.2018 | 27.09.2018 | 04 |
| 47 | Ku. Sneha S. Padole | 28.08.2018 | 27.09.2018 | 04 |
| 48 | Ku. Snehal S. Sawant | 28.08.2018 | 27.09.2018 | 04 |
| 49 | Ku. Vaishnavi G. Gulhane | 28.08.2018 | 27.09.2018 | 04 |
| 50 | Ku. Vaishnavi S. Thakare | 28.08.2018 | 27.09.2018 | 04 |
| 51 | Ku. Vineshwari N. Alone | 28.08.2018 | 27.09.2018 | 04 |
| 52 | Ku. Vrushali P. Pinjari | 28.08.2018 | 27.09.2018 | 04 |
| | TOTAL (1 TO 52) | | | 204 |

Name and Signature of Teacher

Principal
PRINCIPAL
Adarsha Science, J. B. Arts & Birla Comm. Mahavidyalaya Dhamangaon (Rly.)

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,

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-Notice-

Date:-30.08.2018

All the students of **B.Sc.III/Semester V** are hereby informed that their topics for **project assignment (Internal assessment marks)** in **Microbiology** have been allotted. All students will be required to submit this assignment **on or before 10th Sept.2018**. All are advised to note the same.

| Sr.No. | Name of Student | Topic |
|---|---|---|
| 01 | Aafreen jahan s. Murtuza | Symbiotic Nitrogen Fixation |
| 02 | Akshay d. Itiwale | Bioleaching |
| 03 | Akshay m. Bhoyar | Isotopic Tracer technique |
| 04 | Aniket j. Raut | Biodegradation of pesticides |
| 05 | Bhaktee p. Shelotkar | Air sanitation |
| 06 | Harshada s. Thakare | Septic tank |
| 07 | Harshita p. Shriwas | Imhoff tank |
| 08 | Kartik s. Gayke | Biological control of insects |
| 09 | Krupali v. Deshmukh | Biomedlcal wastes |
| 10 | Kunjan s. Chandure | Drinking water standard(BIS) |
| 11 | Minakshi a. Harge | Sampling of Air |
| 12 | Mithila v. Jadhao | IR Specroscopy |
| 13 | Nikita g. Choudhari | Paper electrophoresis |
| 14 | Parul v. Rathi | Bioremediation |
| 15 | Pooja s. Mandokar | Gel electrophoresis |
| 16 | Prajakta d. Pawar | Composting |
| 17 | Prajakta u. Naik | Anaerobic sludge digestion |
| 18 | Priyanka d. Mahatme | Biodegradation of Polythene bags |
| 19 | Radha k. Supalkar | Rapid sand Filter |
| 20 | Rashmita m. Bodalkar | Air pollution |
| 21 | Saloni m. Hendave | Biodeterioration of wood |
| 22 | Saurav m. Dhote | Biological control of insects |
| 23 | Siddhi v. Raut | Biofertilizers |
| 24 | Summaya firdous m. Kaisar | Chloriantion |
| 25 | Vaishnavi g. Patil | Water Pollution |
| 26 | Vaishnavi r. Pabale | Antibacterial effects of ginger |
| 27 | Yuvraj h. Soni | Antibacterial effects of garlic |
| 28 | Aditya a. Shelokar | Antimicrobial effects of Tulsi |
| 29 | Akshay p. Kombe | Paper Chromatography |
| 30 | Damini k. Chaudhari | UV Spectroscopy |
| 31 | Diksha s. Chikram | Nonsymbiotic Nitrogen Fixation |
| 32 | Dipika g. Uike | Thin layer Chromatography |
| 33 | Harsha v. Virulkar | Humus formation |
| 34 | Karuna s. Madare | Trickling filter |
| 35 | Manisha s. Padole | Activated sludge process |
| 36 | Mayuri s. Mahajan | Oxidation pond |
| 37 | Monali d. Budhlani | Antibacterial effects of clove oil |
| 38 | Monika m. Dive | Rapid sand filter |
| 39 | Mrunal k. Bhoge | Biogas production |
| 40 | Nikita a. Zade | Chemical oxygen demand(COD) |
| 41 | Poonam d. Raghorte | Antibacterial effect of Cow urine on bacteria |
| 42 | Priya s. Thakare | Decomposition of plant and animal residues in soil |
| 43 | Rajkamal v. Thakre | Atmosphere and its layers |
| 44 | Renuka r. Tale | Mechanism of nitrogen fixation |
| 45 | Saloni v. Baghel | Antibacterial effects of neem extract |
| 46 | Shreyasti h. Padole | Antibacterial effects of turmeric |
| 47 | Snehal v. Talware | Antibacterial effects of honey |
| 48 | Suvidha n. Thakare | Antibacterial effects of spices |
| 49 | Tejaswini a. Kaikade | BOD (Biochemical oxygen demand) |
| 50 | Vaishnavi d. Ingle | Antibacterial effects of onion |
| 51 | Vecral s. Chandrana | Antibacterial effects of aloe vera |
| 52 | Pranjali Zade | Nitrogen cycle |
| 53 | Tejaswini Jichkar | Synergism |

(Dr. G. N. Budhlani)

(Dr. Y. B. Gandole)

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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-Notice-

Date:-30.08.2018

All the students of **B.Sc.III/Semester V** are hereby informed that their topics for **Seminar (Internal assessment marks)** in **Microbiology** have been allotted. All are advised to note the same.

| Sr.No. | Name of Student | Topic |
|---|---|---|
| 01 | Aafreen jahan s. Murtuza | Electrophoresis- Deff and Principle |
| 02 | Akshay d. Itiwale | Applications of Electrophoresis |
| 03 | Akshay m. Bhoyar | Deff- Chlorine demand and Residual Chlorine |
| 04 | Aniket j. Raut | Chromatography- Deff and Principle |
| 05 | Bhaktee p. Shelotkar | Applications of Chromatography |
| 06 | Harshada s. Thakare | Spectroscopy- Deff and Principle |
| 07 | Harshita p. Shriwas | Applications of Spectroscopy |
| 08 | Kartik s. Gayke | Paper Chromatography-Method |
| 09 | Krupali v. Deshmukh | Thin layer Chromatography- Deff and Principle |
| 10 | Kunjan s. Chandure | Indole test(principle) |
| 11 | Minakshi a. Harge | Fecal Streptococci (general) |
| 12 | Mithila v. Jadhao | Isotopic tracer technique- Deff and Principle |
| 13 | Nikita g. Choudhari | Applications of Isotopic tracer technique |
| 14 | Parul v. Rathi | Confirmed test(Multiple tube fermentation tech. for |
| 15 | Pooja s. Mandokar | Completed test(Multiple tube fermentation tech. for |
| 16 | Prajakta d. Pawar | Advantages of membrane filter tech. |
| 17 | Prajakta u. Naik | Comparison between most probable method and |
| 18 | Priyanka d. Mahatme | Bacterial indicators of excretal pollution |
| 19 | Radha k. Supalkar | Multiple tube fermentation tech. for Fecal Streptococci |
| 20 | Rashmita m. Bodalkar | Ideal characteristics of coliforms |
| 21 | Saloni m. Hendave | Methyl test(principle) |
| 22 | Saurav m. Dhote | Voges-Proskauer test(principle) |
| 23 | Siddhi v. Raut | Citrate test(principle) |
| 24 | Summaya firdous m. Kaisar | Anaerobic Sludge digestion |
| 25 | Vaishnavi g. Patil | Comparison between slow and Rapid sand filter |
| 26 | Vaishnavi r. Pabale | Methods of Aeration in treatment of water |
| 27 | Yuvraj h. Soni | Symbiosis |
| 28 | Aditya a. Shelokar | Trickling filter |
| 29 | Akshay p. Kombe | Activated sludge process |
| 30 | Damini k. Chaudhari | Oxidation pond |
| 31 | Diksha s. Chikram | BOD |
| 32 | Dipika g. Uike | Rapid sand filter |
| 33 | Harsha v. Virulkar | Outline of biogas production |
| 34 | Karuna s. Madare | Septic tank |
| 35 | Manisha s. Padole | Imhoff tank |
| 36 | Mayuri s. Mahajan | Aims of sewage treatment process |
| 37 | Monali d. Budhlani | Chemical agents and other agents used in disinfection of |
| 38 | Monika m. Dive | Slow sand filter |
| 39 | Mrunal k. Bhoge | Super chlorination |
| 40 | Nikita a. Zade | Ammonia chlorine treatment |
| 41 | Poonam d. Raghorte | Break point chlorination |
| 42 | Priya s. Thakare | MPN |
| 43 | Rajkamal v. Thakre | Presumptive test(Multiple tube fermentation tech. for |
| 44 | Renuka r. Tale | Coagulation and flocculation |
| 45 | Saloni v. Baghel | Differentiation between faecal and non faecal coliforms |
| 46 | Shreyasti h. Padole | Anaerobic sludge digestion |
| 47 | Snehal v. Talware | Indicators of faecal pollution |
| 48 | Suvidha n. Thakare | Plain chlorination |
| 49 | Tejaswini a. Kaikade | Rapid sand filter |
| 50 | Vaishnavi d. Ingle | ICMR standards of drinking water |
| 51 | Veeral s. Chandrana | COD |
| 52 | Pranjali Zade | WHO standards of drinking water |

Synergism

(Dr. G. N. Budhlani)

(Dr. Y. B. Gandole)

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dharmabad Dist.

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**Sant Gadge Baba Amravati University**
**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**
**Department of Microbiology**

**-Notice-** Date: 30.08.2018

All the students of B.Sc.III (Semester V) are hereby informed that their Class test (Internal assessment marks) in Microbiology will be conducted on 12th Sept.2018 at 2.00 p.m. onwards. All students must remain present for this test examination.

| | | |
|---|---|---|
| Course | Unit No.1 | Microbial Association and Air Microbiology |
| | Unit No.4 | Assessment of Water quality and Treatment |

(Dr. G. N. Budhlani)

(Dr. Y. B. Gandole)

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Record of Class Test (2018-2019)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)

Name of Teacher : Dr. G. N. Budhlani

Designation : Associate Professor
Max.Marks:10

| Sr. No | Name of the student | CLASS TEST/ Date:12.09.2018 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Marks | Marks | Pass/ Fail | |
| 1 | Aafreen jahan s. Murtuza | 30 | 24 | Pass | 10 |
| 2 | Akshay d. Itiwale | 30 | 25 | Pass | 10 |
| 3 | Akshay m. Bhoyar | 30 | 26 | Pass | 10 |
| 4 | Aniket j. Raut | 30 | 24 | Pass | 10 |
| 5 | Bhaktee p. Shelotkar | 30 | 24 | Pass | 10 |
| 6 | Harshada s. Thakare | 30 | 24 | Pass | 10 |
| 7 | Harshita p. Shriwas | 30 | 24 | Pass | 10 |
| 8 | Kartik s. Gayke | 30 | 24 | Pass | 10 |
| 9 | Krupali v. Deshmukh | 30 | 24 | Pass | 10 |
| 10 | Kunjan s. Chandure | 30 | 24 | Pass | 10 |
| 11 | Minakshi a. Harge | 30 | 24 | Pass | 10 |
| 12 | Mithila v. Jadhao | 30 | 24 | Pass | 10 |
| 13 | Nikita g. Choudhari | 30 | 24 | Pass | 10 |
| 14 | Parul v. Rathi | 30 | 25 | Pass | 10 |
| 15 | Pooja s. Mandokar | 30 | 24 | Pass | 10 |
| 16 | Prajakta d. Pawar | 30 | 24 | Pass | 10 |
| 17 | Prajakta u. Naik | 30 | 27 | Pass | 10 |
| 18 | Priyanka d. Mahatme | 30 | 24 | Pass | 10 |
| 19 | Radha k. Supalkar | 30 | 24 | Pass | 10 |
| 20 | Rashmita m. Bodalkar | 30 | 24 | Pass | 10 |
| 21 | Saloni m. Hendave | 30 | 25 | Pass | 10 |
| 22 | Saurav m. Dhote | 30 | 24 | Pass | 10 |
| 23 | Siddhi v. Raut | 30 | 29 | Pass | 10 |
| 24 | Summaya firdous m. Kaisar | 30 | 24 | Pass | 10 |
| 25 | Vaishnavi g. Patil | 30 | 24 | Pass | 10 |
| 26 | Vaishnavi r. Pabale | 30 | 24 | Pass | 10 |
| 27 | Yuvraj h. Soni | 30 | 26 | Pass | 10 |
| 28 | Aditya a. Shelokar | 30 | 26 | Pass | 10 |
| 29 | Akshay p. Kombe | 30 | 24 | Pass | 10 |
| 30 | Damini k. Chaudhari | 30 | 24 | Pass | 10 |
| 31 | Diksha s. Chikram | 30 | 24 | Pass | 10 |
| 32 | Dipika g. Uike | 30 | 24 | Pass | 10 |
| 33 | Harsha v. Virulkar | 30 | 25 | Pass | 10 |
| 34 | Karuna s. Madare | 30 | 25 | Pass | 10 |
| 35 | Manisha s. Padole | 30 | 24 | Pass | 10 |
| 36 | Mayuri s. Mahajan | 30 | 29 | Pass | 10 |
| 37 | Monali d. Budhlani | 30 | 24 | Pass | 10 |
| 38 | Monika m. Dive | 30 | 24 | Pass | 10 |
| 39 | Mrunal k. Bhoge | 30 | 24 | Pass | 10 |
| 40 | Nikita a. Zade | 30 | 25 | Pass | 10 |
| 41 | Poonam d. Raghorte | 30 | 24 | Pass | 10 |
| 42 | Priya s. Thakare | 30 | 24 | Pass | 10 |
| 43 | Rajkamal v. Thakre | 30 | 24 | Pass | 10 |
| 44 | Renuka r. Tale | 30 | 24 | Pass | 10 |
| 45 | Saloni v. Baghel | 30 | 24 | Pass | 10 |
| 46 | Shreyasti h. Padole | 30 | 24 | Pass | 10 |
| 47 | Snehal v. Talware | 30 | 25 | Pass | 10 |
| 48 | Suvidha n. Thakare | 30 | 24 | Pass | 10 |
| 49 | Tejaswini a. Kaikade | 30 | 27 | Pass | 10 |
| 50 | Vaishnavi d. Ingle | 30 | 24 | Pass | 10 |
| 51 | Veeral s. Chandrana | 30 | 25 | Pass | 10 |
| 52 | Praniali Zade | 30 | 24 | Pass | 10 |
| 53 | Indrayani J ichkar | 30 | 24 | Pass | 10 |
| | TOTAL (1 TO 53) | 1590 | 1251 | | 530 |

1-11-18
Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date :01.11.18

Verified
Principal
Adarsha Science, J. B. Arts & Birla Comm. Mahavidyalaya Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
darsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Innoative Practice/Seminar (2018-2019)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester –V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**
**Max.Marks:10**

| Sr. | Name of the Student | Topics of the Seminar | Presented on | Marks |
|---|---|---|---|---|
| 1 | Aafreen jahan s. Murtuza | Electrophoresis- Deff and Principle | 27.09.18 | 06 |
| 2 | Akshay d. Itiwale | Applications of Electrophoresis | 27.09.18 | 06 |
| 3 | Akshay m. Bhoyar | Deff- Chlorine demand and Residual Chlorine | 27.09.18 | 06 |
| 4 | Aniket j. Raut | Chromatography- Deff and Principle | 27.09.18 | 06 |
| 5 | Bhaktee p. Shelotkar | Applications of Chromatography | 24.10.18 | 06 |
| 6 | Harshada s. Thakare | Spectroscopy- Deff and Principle | 27.09.18 | 06 |
| 7 | Harshita p. Shriwas | Applications of Spectroscopy | 10.10.18 | 06 |
| 8 | Kartik s. Gayke | Paper Chromatography-Method | 10.10.18 | 06 |
| 9 | Krupali v. Deshmukh | Thin layer Chromatography- Deff and Principle | 10.10.18 | 06 |
| 10 | Kunjan s. Chandure | Indole test(principle) | 10.10.18 | 06 |
| 11 | Minakshi a. Harge | Fecal Streptococci (general) | 10.10.18 | 06 |
| 12 | Mithila v. Jadhao | Isotopic tracer technique- Deff and Principle | 10.10.18 | 06 |
| 13 | Nikita g. Choudhari | Applications of Isotopic tracer technique | 11.10.18 | 06 |
| 14 | Parul v. Rathi | Confirmed test(Multiple tube fermentation tech. for coliforms) | 11.10.18 | 06 |
| 15 | Pooja s. Mandokar | Completed test(Multiple tube fermentation tech. for coliforms) | 11.10.18 | 06 |
| 16 | Prajakta d. Pawar | Advantages of membrane filter tech. | 11.10.18 | 06 |
| 17 | Prajakta u. Naik | Comparison between most probable method and membrane filter | 11.10.18 | 06 |
| 18 | Priyanka d. Mahatme | Bacterial indicators of excretal pollution | 11.10.18 | 06 |
| 19 | Radha k. Supalkar | Multiple tube fermentation tech. for Fecal Streptococci | 11.10.18 | 06 |
| 20 | Rashmita m. Bodalkar | Ideal characteristics of coliforms | 11.10.18 | 06 |
| 21 | Saloni m. Hendave | Methyl test(principle) | 24.10.18 | 06 |
| 22 | Saurav m. Dhote | Voges-Proskauer test(principle) | 24.10.18 | 06 |
| 23 | Siddhi v. Raut | Citrate test(principle) | ABST | 00 |
| 24 | Summaya firdous m. Kaisar | Anaerobic Sludge digestion | 11.10.18 | 06 |
| 25 | Vaishnavi g. Patil | Comparison between slow and Rapid sand filter | 24.10.18 | 06 |
| 26 | Vaishnavi r. Pabale | Methods of Aeration in treatment of water | 24.10.18 | 06 |
| 27 | Yuvraj h. Soni | Symbiosis | 25.10.18 | 06 |
| 28 | Aditya a. Shelokar | Trickling filter | 25.10.18 | 06 |
| 29 | Akshay p. Kombe | Activated sludge process | 25.10.18 | 06 |
| 30 | Damini k. Chaudhari | Oxidation pond | 24.10.18 | 06 |
| 31 | Diksha s. Chikram | BOD | 24.10.18 | 06 |
| 32 | Dipika g. Uike | Rapid sand filter | 25.10.18 | 06 |
| 33 | Harsha v. Virulkar | Outline of biogas production | 24.10.18 | 06 |
| 34 | Karuna s. Madare | Septic tank | 25.10.18 | 06 |
| 35 | Manisha s. Padole | Imhoff tank | 25.10.18 | 06 |
| 36 | Mayuri s. Mahajan | Aims of sewage treatment process | 25.10.18 | 06 |
| 37 | Monali d. Budhlani | Chemical agents and other agents used in disinfection of water | 24.10.18 | 06 |
| 38 | Monika m. Dive | Slow sand filter | 24.10.18 | 06 |
| 39 | Mrunal k. Bhoge | Super chlorination | 25.10.18 | 06 |
| 40 | Nikita a. Zade | Ammonia chlorine treatment | 25.10.18 | 06 |
| 41 | Poonam d. Raghorte | Break point chlorination | 25.10.18 | 06 |
| 42 | Priya s. Thakare | MPN | 25.10.18 | 06 |
| 43 | Rajkamal v. Thakre | Presumptive test(Multiple tube fermentation tech. for coliforms) | 24.10.18 | 06 |
| 44 | Renuka r. Tale | Coagulation and flocculation | 24.10.18 | 06 |
| 45 | Saloni v. Baghel | Differentiation between faecal and non faecal coliforms | 25.10.18 | 06 |
| 46 | Shreyasti h. Padole | Anaerobic sludge digestion | 25.10.18 | 06 |
| 47 | Snehal v. Talware | Indicators of faecal pollution | 25.10.18 | 06 |
| 48 | Suvidha n. Thakare | Plain chlorination | 25.10.18 | 06 |
| 49 | Tejaswini a. Kaikade | Rapid sand filter | 31.08..18 | 06 |
| 50 | Vaishnavi d. Ingle | ICMR standards of drinking water | 25.10.18 | 06 |
| 51 | Veeral s. Chandrana | COD | 25.10.18 | 06 |
| 52 | Praniali Zade | WHO standards of drinking water | 31.10.18 | 06 |
| 53 | Indrayani J ichkar | Synergism | ABST | 00 |
| | TOTAL (1 TO 53) | | | 306 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date : 01.11.18

Verified
Principal
Adarsha Science, J. B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Assignments/Project Assignment (2018-2019)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester –V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**

**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**
**Max.Marks:10**

| S.NO. | Name of the student | Project Assignment | | Marks awarded |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 01 | Aafreen jahan s. Murtuza | 30.08.2018 | 10.09.18 | 04 |
| 02 | Akshay d. Itiwale | 30.08.2018 | 10.09.18 | 04 |
| 03 | Akshay m. Bhoyar | 30.08.2018 | 10.09.18 | 04 |
| 04 | Aniket j. Raut | 30.08.2018 | 10.09.18 | 04 |
| 05 | Bhaktee p. Shelotkar | 30.08.2018 | 10.09.18 | 04 |
| 06 | Harshada s. Thakare | 30.08.2018 | 10.09.18 | 04 |
| 07 | Harshita p. Shriwas | 30.08.2018 | 10.09.18 | 04 |
| 08 | Kartik s. Gayke | 30.08.2018 | 10.09.18 | 04 |
| 09 | Krupali v. Deshmukh | 30.08.2018 | 10.09.18 | 04 |
| 10 | Kunjan s. Chandure | 30.08.2018 | 10.09.18 | 04 |
| 11 | Minakshi a. Harge | 30.08.2018 | 10.09.18 | 04 |
| 12 | Mithila v. Jadhao | 30.08.2018 | 10.09.18 | 04 |
| 13 | Nikita g. Choudhari | 30.08.2018 | 10.09.18 | 04 |
| 14 | Parul v. Rathi | 30.08.2018 | 10.09.18 | 04 |
| 15 | Pooja s. Mandokar | 30.08.2018 | 10.09.18 | 04 |
| 16 | Prajakta d. Pawar | 30.08.2018 | 10.09.18 | 04 |
| 17 | Prajakta u. Naik | 30.08.2018 | 10.09.18 | 04 |
| 18 | Priyanka d. Mahatme | 30.08.2018 | 10.09.18 | 04 |
| 19 | Radha k. Supalkar | 30.08.2018 | 10.09.18 | 04 |
| 20 | Rashmita m. Bodalkar | 30.08.2018 | 10.09.18 | 04 |
| 21 | Saloni m. Hendave | 30.08.2018 | 10.09.18 | 04 |
| 22 | Saurav m. Dhote | 30.08.2018 | 10.09.18 | 04 |
| 23 | Siddhi v. Raut | 30.08.2018 | Not submitted | 00 |
| 24 | Summaya firdous m. Kaisar | 30.08.2018 | 10.09.18 | 04 |
| 25 | Vaishnavi g. Patil | 30.08.2018 | 10.09.18 | 04 |
| 26 | Vaishnavi r. Pabale | 30.08.2018 | 10.09.18 | 04 |
| 27 | Yuvraj h. Soni | 30.08.2018 | 10.09.18 | 04 |
| 28 | Aditya a. Shelokar | 30.08.2018 | 10.09.18 | 04 |
| 29 | Akshay p. Kombe | 30.08.2018 | 10.09.18 | 04 |
| 30 | Damini k. Chaudhari | 30.08.2018 | 10.09.18 | 04 |
| 31 | Diksha s. Chikram | 30.08.2018 | 10.09.18 | 04 |
| 32 | Dipika g. Uike | 30.08.2018 | 10.09.18 | 04 |
| 33 | Harsha v. Virulkar | 30.08.2018 | 10.09.18 | 04 |
| 34 | Karuna s. Madare | 30.08.2018 | 10.09.18 | 04 |
| 35 | Manisha s. Padole | 30.08.2018 | 10.09.18 | 04 |
| 36 | Mayuri s. Mahajan | 30.08.2018 | 10.09.18 | 04 |
| 37 | Monali d. Budhlani | 30.08.2018 | 10.09.18 | 04 |
| 38 | Monika m. Dive | 30.08.2018 | 10.09.18 | 04 |
| 39 | Mrunal k. Bhoge | 30.08.2018 | 10.09.18 | 04 |
| 40 | Nikita a. Zade | 30.08.2018 | 10.09.18 | 04 |
| 41 | Poonam d. Raghorte | 30.08.2018 | 10.09.18 | 04 |
| 42 | Priya s. Thakare | 30.08.2018 | 10.09.18 | 04 |
| 43 | Rajkamal v. Thakre | 30.08.2018 | 10.09.18 | 04 |
| 44 | Renuka r. Tale | 30.08.2018 | 10.09.18 | 04 |
| 45 | Saloni v. Baghel | 30.08.2018 | 10.09.18 | 04 |
| 46 | Shreyasti h. Padole | 30.08.2018 | 10.09.18 | 04 |
| 47 | Snehal v. Talware | 30.08.2018 | 10.09.18 | 04 |
| 48 | Suvidha n. Thakare | 30.08.2018 | 10.09.18 | 04 |
| 49 | Tejaswini a. Kaikade | 30.08.2018 | 10.09.18 | 04 |
| 50 | Vaishnavi d. Ingle | 30.08.2018 | 10.09.18 | 04 |
| 51 | Veeral s. Chandrana | 30.08.2018 | 10.09.18 | 04 |
| 52 | Praniali Zade | 30.08.2018 | 10.09.18 | 04 |
| 53 | Indrayani J ichkar | 30.08.2018 | 10.09.18 | 04 |
| | | Total of (1 to 53) | | 208 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date : 01.11.2018

Verified
Principal
Adarsha Science, J. B. Arts & Birla Comm. Mahavidyalaya Dhamangaon (Rly.)

Signature of H. O. D.
**Head**
**Department of Microbiology**
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks (2018-2019)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)
Name of Teacher : Dr. G. N. Budhlani
Designation : Associate Professor
Max.Marks:10

| Sr. No. | Name of the Student | Roll No | Marks Obtained | | | Total |
|---|---|---|---|---|---|---|
| | | | Project | Seminar | Class Tests | |
| 1 | Aafreen jahan s. Murtuza | 57654 | 04 | 06 | 10 | 20 |
| 2 | Akshay d. Itiwale | 57662 | 04 | 06 | 10 | 20 |
| 3 | Akshay m. Bhoyar | 57663 | 04 | 06 | 10 | 20 |
| 4 | Aniket j. Raut | 57666 | 04 | 06 | 10 | 20 |
| 5 | Bhaktee p. Shelotkar | 57685 | 04 | 06 | 10 | 20 |
| 6 | Harshada s. Thakare | 57693 | 04 | 06 | 10 | 20 |
| 7 | Harshita p. Shriwas | 57694 | 04 | 06 | 10 | 20 |
| 8 | Kartik s. Gayke | 57678 | 04 | 06 | 10 | 20 |
| 9 | Krupali v. Deshmukh | 57697 | 04 | 06 | 10 | 20 |
| 10 | Kunjan s. Chandure | 57698 | 04 | 06 | 10 | 20 |
| 11 | Minakshi a. Harge | 57703 | 04 | 06 | 10 | 20 |
| 12 | Mithila v. Jadhao | 57704 | 04 | 06 | 10 | 20 |
| 13 | Nikita g. Choudhari | 57752 | 04 | 06 | 10 | 20 |
| 14 | Parul v. Rathi | 57757 | 04 | 06 | 10 | 20 |
| 15 | Pooja s. Mandokar | 57760 | 04 | 06 | 10 | 20 |
| 16 | Prajakta d. Pawar | 57761 | 04 | 06 | 10 | 20 |
| 17 | Prajakta u. Naik | 57716 | 04 | 06 | 10 | 20 |
| 18 | Priyanka d. Mahatme | ~~57706~~ 57721 | 04 | 06 | 10 | 20 |
| 19 | Radha k. Supalkar | 57723 | 04 | 06 | 10 | 20 |
| 20 | Rashmita m. Bodalkar | 57727 | 04 | 06 | 10 | 20 |
| 21 | Saloni m. Hendave | 57730 | 04 | 06 | 10 | 20 |
| 22 | Saurav m. Dhote | 57785 | 04 | 06 | 10 | 20 |
| 23 | Siddhi v. Raut | 57735 | 04 | 00 | 10 | 14 |
| 24 | Summaya firdous m. Kaisar | 57737 | 04 | 06 | 10 | 20 |
| 25 | Vaishnavi g. Patil | 57795 | 04 | 06 | 10 | 20 |
| 26 | Vaishnavi r. Pabale | 57743 | 04 | 06 | 10 | 20 |
| 27 | Yuvraj h. Soni | 57805 | 04 | 06 | 10 | 20 |
| 28 | Aditya a. Shelokar | 57656 | 04 | 06 | 10 | 20 |
| 29 | Akshay p. Kombe | 57664 | 04 | 06 | 10 | 20 |
| 30 | Damini k. Chaudhari | 57686 | 04 | 06 | 10 | 20 |
| 31 | Diksha s. Chikram | 57689 | 04 | 06 | 10 | 20 |
| 32 | Dipika g. Uike | 57690 | 04 | 06 | 10 | 20 |
| 33 | Harsha v. Virulkar | 57692 | 04 | 06 | 10 | 20 |
| 34 | Karuna s. Madare | 57696 | 04 | 06 | 10 | 20 |
| 35 | Manisha s. Padole | 57699 | 04 | 06 | 10 | 20 |
| 36 | Mayuri s. Mahajan | 57702 | 04 | 06 | 10 | 20 |
| 37 | Monali d. Budhlani | 57747 | 04 | 06 | 10 | 20 |
| 38 | Monika m. Dive | 57708 | 04 | 06 | 10 | 20 |
| 39 | Mrunal k. Bhoge | 57749 | 04 | 06 | 10 | 20 |
| 40 | Nikita a. Zade | 57751 | 04 | 06 | 10 | 20 |
| 41 | Poonam d. Raghorte | 57713 | 04 | 06 | 10 | 20 |
| 42 | Priya s. Thakare | 57720 | 04 | 06 | 10 | 20 |
| 43 | Rajkamal v. Thakre | 57725 | 04 | 06 | 10 | 20 |
| 44 | Renuka r. Tale | 57733 | 04 | 06 | 10 | 20 |
| 45 | Saloni v. Baghel | 57781 | 04 | 06 | 10 | 20 |
| 46 | Shreyasti h. Padole | 57787 | 04 | 06 | 10 | 20 |
| 47 | Snehal v. Talware | 57736 | 04 | 06 | 10 | 20 |
| 48 | Suvidha n. Thakare | 57738 | 04 | 06 | 10 | 20 |
| 49 | Tejaswini a. Kaikade | 57740 | 04 | 06 | 10 | 20 |
| 50 | Vaishnavi d. Ingle | 57741 | 04 | 06 | 10 | 20 |
| 51 | Veeral s. Chandrana | 57798 | 04 | 06 | 10 | 20 |
| 52 | Praniali Zade | 57766 | 04 | 00 | 10 | 14 |
| 53 | Indrayani J ichkar | 57795 | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 53) | | 208 | 306 | 530 | 1044 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 01.11.18

Verified
Principal
Adarsha Science, J. B. Arts & Birla Comm. Mahavidyalaya Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,
Dhamangaon Rly.

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.iv) The structure of DNA was prop...

**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 12/02/2019**

All the students of B. Sc. Part I semester –II Microbiology are hereby informed that their topic for assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for assignment and submit the assignment on or before 27 February 2019.

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date: 18/01/2019**

All the students of B. Sc. Part I semester –II are hereby informed that their Class test (Internal assessment marks) in Microbiology will be conducted on 09/02/2019 at 2.55 a.m. in Laboratory. All students must remain present for this test examination.

| | |
|---|---|
| **Course** | **Unit 2:Microbial Biochemistry**<br>**Unit 4: Biostatistics and Computer** |

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& Birla Comm. Mahavidyalaya
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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part I 2 S – Microbiology (Microbiology, Biochemistry, Biostatics & Computer)**

**Unit II & IV**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Toxicity of heavy metals in small concentration is called ----------action.

ii) Ultravoilet light is an example of ---------- rediation.

iii) Proteins are the polymers of ----------.

.iv) The structure of DNA was proposed by ----------and----------.

(B) Choose the correct answer. (2)

(i) The temperature-pressure combination for an autoclave is ----------

a. 100° C and 4 psi b. 121° C and 15 psi c. 131° C and 9 psi d. 115° C and 3 psi

(ii) Destroying or removing all forms of microbial life is called as ----------

a. Disinfection b. Sterilization c. Antiseptic d. Sanitization

(iii) Nitrogen bases in RNA are ----------.

a. A G C T b. A G C U c. both a & b d. none of the above

(iv) By-product of acetone-butanol fermentation include

a. Glycosidic linkage b. Peptide linkage c. Electrostatic linkage d. Coherent linkage

(C) Give the answer of following in ONE sentence each. (2)

a) Define antiseptic.

b) What are heteropolysaccharides?

Que 2 What are chemotherapeutic agents? Describe any two chemotherapeutic agent used in treatment of diseases. (12)

OR

What is moist heat sterilization? Discuss methods of moist heat sterilization . (12)

Que 3 a)Give the classification of carbohydrates in brief . (4)

b) Draw structure of purine and pyrimidine base. (4)

c) Give any six properties of DNA. (4)

or

d) Describe in brief elementary structure of protein. (4)

e) Describe the structure of t-RNA. (4)

f) What are phospholipids? Give examples. (4)

---


## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2022**

**B. Sc. Part I 2 S – Microbiology (Microbiology, Biochemistry, Biostatics & Computer)**

**Unit II & IV**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- (2)

i) Toxicity of heavy metals in small concentration is called ----------action.

ii) Ultravoilet light is an example of ---------- rediation.

iii) Proteins are the polymers of ----------.

.iv) The structure of DNA was proposed by ----------and----------.

(B) Choose the correct answer. (2)

(i) The temperature-pressure combination for an autoclave is ----------

a. 100° C and 4 psi b. 121° C and 15 psi c. 131° C and 9 psi d. 115° C and 3 psi

(ii) Destroying or removing all forms of microbial life is called as ----------

a. Disinfection b. Sterilization c. Antiseptic d. Sanitization

(iii) Nitrogen bases in RNA are ----------.

a. A G C T b. A G C U c. both a & b d. none of the above

(iv) By-product of acetone-butanol fermentation include

a. Glycosidic linkage b. Peptide linkage c. Electrostatic linkage d. Coherent linkage

(C) Give the answer of following in ONE sentence each. (2)

a) Define antiseptic.

b) What are heteropolysaccharides?

Que 2 What are chemotherapeutic agents? Describe any two chemotherapeutic agent used in treatment of diseases. (12)

OR

What is moist heat sterilization? Discuss methods of moist heat sterilization . (12)

Que 3 a)Give the classification of carbohydrates in brief . (4)

b) Draw structure of purine and pyrimidine base. (4)

c) Give any six properties of DNA. (4)

or

d) Describe in brief elementary structure of protein. (4)

e) Describe the structure of t-RNA. (4)

f) What are phospholipids? Give examples. (4)


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**Sant Gadge Baba Amravati University, Amravati**

**Record of Class Test (2018-2019)**

**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**

**Class : B.Sc. Part I ( Semester–II)**

**Subject : Microbiology**

**Paper (With Title) –2S Microbiology**

**(Microbilogy,Biochemistry,Biostatistics and Computers)**

**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**

**Max. Marks: 12**

| Sr. No | Name of the student | CLASS TEST/ Date:09.02.2019 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | AKSHAY R. INGLE | 30 | 25 | Pass | 12 |
| 2 | CHETANA D. GAJBHIYE | 30 | 24 | Pass | 12 |
| 3 | DIVYA P. NIKHADE | 30 | 26 | Pass | 12 |
| 4 | HARSHAL A. NARODE | 30 | 25 | Pass | 12 |
| 5 | MAHAK S. MOKATI | 30 | 26 | Pass | 12 |
| 6 | PAPIHA R. DABLE | 30 | 28 | Pass | 12 |
| 7 | PRATIKSHA K. VAKIL | 30 | 25 | Pass | 12 |
| 8 | PURVESH T. CHANDAK | 30 | 24 | Pass | 12 |
| 9 | RANU J. SONONE | 30 | 27 | Pass | 12 |
| 10 | RENUKA S. BORKAR | 30 | 28 | Pass | 12 |
| 11 | RUPALI B. TALAN | 30 | 28 | Pass | 12 |
| 12 | SAKSHI R. RAUT | 30 | 25 | Pass | 12 |
| 13 | SAKSHI V. RATHOD | 30 | 27 | Pass | 12 |
| 14 | SAMRUDDHI S. DONGARE | 30 | 24 | Pass | 12 |
| 15 | SANA AFREEN .SHAKEEL AHMAD | 30 | 28 | Pass | 12 |
| 16 | SNEHAL S. MASRAM | 30 | 24 | Pass | 12 |
| 17 | UNNATI H. ATHAWALE | 30 | 28 | Pass | 12 |
| 18 | VAISHALI G. PATIL | 30 | 29 | Pass | 12 |
| 19 | VAISHNAVI N. GUPTA | 30 | 27 | Pass | 12 |
| 20 | RUTUJA G. BHOYAR | 30 | 25 | Pass | 12 |
| 21 | ADARSH T. UPADHYAY | 30 | 24 | Pass | 12 |
| 22 | AISHWARYA V.SHASTRAKAR | 30 | 26 | Pass | 12 |
| 23 | ANJALI N. FUNDE | 30 | 25 | Pass | 12 |
| 24 | APARNA S. TARALE | 30 | 28 | Pass | 12 |
| 25 | APURVA M. PAWAR | 30 | 25 | Pass | 12 |
| 26 | BHAGYASHRI S. KASTURKAR | 30 | 24 | Pass | 12 |
| 27 | BHAVISHA D. DHANDUKIYA | 30 | 26 | Pass | 12 |
| 28 | GAURAV R. MESHRAM | 30 | 26 | Pass | 12 |
| 29 | HARSHALI M. SHRIRAME | 30 | 26 | Pass | 12 |
| 30 | KALLYANI R. SAUNDARKAR | 30 | 28 | Pass | 12 |
| 31 | KARTIK S. DEOGADE | 30 | 24 | Pass | 12 |
| 32 | KOMAL R. VIRULAKAR | 30 | 24 | Pass | 12 |
| 33 | MANISHA R. HIMANE | 30 | 28 | Pass | 12 |
| 34 | MRUNAL S. DHEMRE | 30 | 29 | Pass | 12 |
| 35 | NEHA D. BEDURKAR | 30 | 24 | Pass | 12 |
| 36 | NIKITA S. DIGHADE | 30 | 24 | Pass | 12 |
| 37 | NIYATI S. KUCHERIYA | 30 | 26 | Pass | 12 |
| 38 | PRACHI R. BANSOD | 30 | 25 | Pass | 12 |
| 39 | PRANITA N. AMBATKAR | 30 | 25 | Pass | 12 |
| 40 | PRANJALI P. TITARE | 30 | 27 | Pass | 12 |
| 41 | PRATIKSHA R. BHOYAR | 30 | 29 | Pass | 12 |
| 42 | PUJA S. AMBADARE | 30 | 25 | Pass | 12 |
| 43 | PURVESH P. KANERE | 30 | 28 | Pass | 12 |
| 44 | RADHIKA R. RAUT | 30 | 24 | Pass | 12 |
| 45 | RENUKA P. BHUSARI | 30 | 25 | Pass | 12 |
| 46 | RUSHIKESH N. DAWARE | 30 | 28 | Pass | 12 |
| 47 | SAURAV P. GADLING | 30 | 25 | Pass | 12 |
| 48 | SHRADDHA A. GARUD | 30 | 28 | Pass | 12 |
| 49 | SHREYAS R. NISTANE | 30 | ABST | Fail | 00 |
| 50 | VAISHNAVI N. KOKATE | 30 | 26 | Pass | 12 |
| 51 | VAISHNAVI V. GULHANE | 30 | 28 | Pass | 12 |
| 52 | WRUSHALI R. MALWAR | 30 | 25 | Pass | 12 |
| | TOTAL (1 TO 52) | 1560 | 1376 | | 612 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date : 11.03.2019

Verified
Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Internal Assessment Marks of Assignment/Project Assignment 2018-2019**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part I ( Semester–II)SSubject : Microbiology**
**Paper (With Title) –2S Microbiology**
**(Microbilogy,Biochemistry,Biostatistics and Computers)**

**Name of Teacher : Dr. G. N. Budhlani**

**Designation : Associate Professor**
**Max. Marks: 08**

**F6 BATCH (BOTANY)**

| S.NO. | Name of the student | Project Assignment/ | | Marks awarded out of 8 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | ADARSH T. UPADHYAY | 12.02.2019 | 27.02.2019 | 08 |
| 2 | AISHWARYA V.SHASTRAKAR | 12.02.2019 | 27.02.2019 | 08 |
| 3 | ANJALI N. FUNDE | 12.02.2019 | 27.02.2019 | 08 |
| 4 | APARNA S. TARALE | 12.02.2019 | 27.02.2019 | 08 |
| 5 | APURVA M. PAWAR | 12.02.2019 | 27.02.2019 | 08 |
| 6 | BHAGYASHRI S. KASTURKAR | 12.02.2019 | 27.02.2019 | 08 |
| 7 | BHAVISHA D. DHANDUKIYA | 12.02.2019 | 27.02.2019 | 08 |
| 8 | GAURAV R. MESHRAM | 12.02.2019 | 27.02.2019 | 08 |
| 9 | HARSHALI M. SHRIRAME | 12.02.2019 | 27.02.2019 | 08 |
| 10 | KALLYANI R. SAUNDARKAR | 12.02.2019 | 27.02.2019 | 08 |
| 11 | KARTIK S. DEOGADE | 12.02.2019 | 27.02.2019 | 08 |
| 12 | KOMAL R. VIRULAKAR | 12.02.2019 | 27.02.2019 | 08 |
| 13 | MANISHA R. HIMANE | 12.02.2019 | 27.02.2019 | 08 |
| 14 | MRUNAL S. DHEMRE | 12.02.2019 | 27.02.2019 | 08 |
| 15 | NEHA D. BEDURKAR | 12.02.2019 | 27.02.2019 | 08 |
| 16 | NIKITA S. DIGHADE | 12.02.2019 | 27.02.2019 | 08 |
| 17 | NIYATI S. KUCHERIYA | 12.02.2019 | 27.02.2019 | 08 |
| 18 | PRACHI R. BANSOD | 12.02.2019 | 27.02.2019 | 08 |
| 19 | PRANITA N. AMBATKAR | 12.02.2019 | 27.02.2019 | 08 |
| 20 | PRANJALI P. TITARE | 12.02.2019 | 27.02.2019 | 08 |
| 21 | PRATIKSHA R. BHOYAR | 12.02.2019 | 27.02.2019 | 08 |
| 22 | PUJA S. AMBADARE | 12.02.2019 | 27.02.2019 | 08 |
| 23 | PURVESH P. KANERE | 12.02.2019 | 27.02.2019 | 08 |
| 24 | RADHIKA R. RAUT | 12.02.2019 | 27.02.2019 | 08 |
| 25 | RENUKA P. BHUSARI | 12.02.2019 | 27.02.2019 | 08 |
| 26 | RUSHIKESH N. DAWARE | 12.02.2019 | 27.02.2019 | 08 |
| 27 | SAURAV P. GADLING | 12.02.2019 | 27.02.2019 | 08 |
| 28 | SHRADDHA A. GARUD | 12.02.2019 | 27.02.2019 | 08 |
| 29 | SHREYAS R. NISTANE | 12.02.2019 | Not submitted | 00 |
| 30 | VAISHNAVI N. KOKATE | 12.02.2019 | 27.02.2019 | 08 |
| 31 | VAISHNAVI V. GULHANE | 12.02.2019 | 27.02.2019 | 08 |
| 32 | WRUSHALI R. MALWAR | 12.02.2019 | 27.02.2019 | 08 |
| | TOTAL (1 TO 52) | | | 248 |

Name and Signature of Teachers
**(Dr. G. N. Budhlani)**
Date : 11.03.2019

Verified
Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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## Record of Internal Assessment Marks of Home Assignment (2018-2019)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya,Dhamangaon Rly

**Class : B.Sc. Part I ( Semester – II)** Subject : **Microbiology** Paper- 2 S Microbiology (microbiology, biochemistry, biostatistics & computers)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Home Assignment | | Marks awarded out of 08 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | **Akshay R. Ingle** | **06.02.2019** | 05.03.2019 | ~~00~~ 08 |
| 2 | **Ku. Chetana D. Gajbhiye** | **06.02.2019** | 05.03.2019 | 08 |
| 3 | **Ku. Divya P. Nikhade** | **06.02.2019** | 05.03.2019 | 08 |
| 4 | **Harshal A. Narode** | **06.02.2019** | 05.03.2019 | 08 |
| 5 | **Ku. Mahak S. Mokati** | **06.02.2019** | 05.03.2019 | 08 |
| 6 | **Ku. Papiha R. Dable** | **06.02.2019** | 05.03.2019 | 08 |
| 7 | **Ku. Pratiksha K. Vakil** | **06.02.2019** | 05.03.2019 | 08 |
| 8 | **Purvesh T. Chandak** | **06.02.2019** | 05.03.2019 | 08 |
| 9 | **Ku. Ranu J. Sonone** | **06.02.2019** | 05.03.2019 | 08 |
| 10 | **Ku. Renuka S. Borkar** | **06.02.2019** | 05.03.2019 | 08 |
| 11 | **Ku. Rupali B. Talan** | **06.02.2019** | 05.03.2019 | 08 |
| 12 | **Ku. Sakshi R. Raut** | **06.02.2019** | 05.03.2019 | 08 |
| 13 | **Ku. Sakshi V. Rathod** | **06.02.2019** | 05.03.2019 | 08 |
| 14 | **Ku. Samruddhi S. Dongare** | **06.02.2019** | 05.03.2019 | 08 |
| 15 | **Ku. Sana Afreen. S. Ahmad** | **06.02.2019** | 05.03.2019 | 08 |
| 16 | **Ku. Snehal S. Masram** | **06.02.2019** | 05.03.2019 | 08 |
| 17 | **Ku. Unnati H. Athawale** | **06.02.2019** | 05.03.2019 | 08 |
| 18 | **Ku. Vaishali G. Patil** | **06.02.2019** | 05.03.2019 | 08 |
| 19 | **Ku. Vaishnavi N. Gupta** | **06.02.2019** | 05.03.2019 | 08 |
| 20 | **Ku. Rutuja G. Bhoyar** | **06.02.2019** | 05.03.2019 | ~~00~~ 08 |
| | TOTAL (1 TO 20) | | | **144** |

Name and Signature of Teachers
**(Dr. Dr. V. A. Kamble)**
Date : 11.03.2019

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks 2018-2019
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part I ( Semester–II)
Subject : Microbiology
Paper (With Title) –2S Microbiology
(Microbilogy,Biochemistry,Biostatistics and Computers)

Name of Teacher : Dr. G. N. Budhlani

Designation : Associate Professor

Max. Marks:20

| Sr. No. | Name of the Student | Marks Obtained/ F.Y. BATCH (ZOOLOGY) | | Total Max. Marks:- 20 |
|---|---|---|---|---|
| | | Assignment | Class Tests | |
| 1 | AKSHAY R. INGLE | 008 | 12 | 20 |
| 2 | CHETANA D. GAJBHIYE | 08 | 12 | 20 |
| 3 | DIVYA P. NIKHADE | 08 | 12 | 20 |
| 4 | HARSHAL A. NARODE | 08 | 12 | 20 |
| 5 | MAHAK S. MOKATI | 08 | 12 | 20 |
| 6 | PAPIHA R. DABLE | 08 | 12 | 20 |
| 7 | PRATIKSHA K. VAKIL | 08 | 12 | 20 |
| 8 | PURVESH T. CHANDAK | 08 | 12 | 20 |
| 9 | RANU J. SONONE | 08 | 12 | 20 |
| 10 | RENUKA S. BORKAR | 08 | 12 | 20 |
| 11 | RUPALI B. TALAN | 08 | 12 | 20 |
| 12 | SAKSHI R. RAUT | 08 | 12 | 20 |
| 13 | SAKSHI V. RATHOD | 08 | 12 | 20 |
| 14 | SAMRUDDHI S. DONGARE | 08 | 12 | 20 |
| 15 | SANA AFREEN SHAKEEL AHMAD | 08 | 12 | 20 |
| 16 | SNEHAL S. MASRAM | 08 | 12 | 20 |
| 17 | UNNATI H. ATHAWALE | 08 | 12 | 20 |
| 18 | VAISHALI G. PATIL | 08 | 12 | 20 |
| 19 | VAISHNAVI N. GUPTA | 08 | 12 | 20 |
| 20 | RUTUJA G. BHOYAR | 008 | 12 | 20 |
| 21 | ADARSH T. UPADHYAY | 08 | 12 | 20 |
| 22 | AISHWARYA V.SHASTRAKAR | 08 | 12 | 20 |
| 23 | ANJALI N. FUNDE | 08 | 12 | 20 |
| 24 | APARNA S. TARALE | 08 | 12 | 20 |
| 25 | APURVA M. PAWAR | 08 | 12 | 20 |
| 26 | BHAGYASHRI S. KASTURKAR | 08 | 12 | 20 |
| 27 | BHAVISHA D. DHANDUKIYA | 08 | 12 | 20 |
| 28 | GAURAV R. MESHRAM | 08 | 12 | 20 |
| 29 | HARSHALI M. SHRIRAME | 08 | 12 | 20 |
| 30 | KALLYANI R. SAUNDARKAR | 08 | 12 | 20 |
| 31 | KARTIK S. DEOGADE | 08 | 12 | 20 |
| 32 | KOMAL R. VIRULAKAR | 08 | 12 | 20 |
| 33 | MANISHA R. HIMANE | 08 | 12 | 20 |
| 34 | MRUNAL S. DHEMRE | 08 | 12 | 20 |
| 35 | NEHA D. BEDURKAR | 08 | 12 | 20 |
| 36 | NIKITA S. DIGHADE | 08 | 12 | 20 |
| 37 | NIYATI S. KUCHERIYA | 08 | 12 | 20 |
| 38 | PRACHI R. BANSOD | 08 | 12 | 20 |
| 39 | PRANITA N. AMBATKAR | 08 | 12 | 20 |
| 40 | PRANJALI P. TITARE | 08 | 12 | 20 |
| 41 | PRATIKSHA R. BHOYAR | 08 | 12 | 20 |
| 42 | PUJA S. AMBADARB | 08 | 12 | 20 |
| 43 | PURVESH P. KANERE | 08 | 12 | 20 |
| 44 | RADHIKA R. RAUT | 08 | 12 | 20 |
| 45 | RENUKA P. BHUSARI | 08 | 12 | 20 |
| 46 | RUSHIKESH N. DAWARE | 08 | 12 | 20 |
| 47 | SAURAV P. GADLING | 08 | 12 | 20 |
| 48 | SHRADDHA A. GARUD | 08 | 12 | 20 |
| 49 | SHREYAS R. NISTANE | 00 | 00 | 00 |
| 50 | VAISHNAVI N. KOKATE | 08 | 12 | 20 |
| 51 | VAISHNAVI V. GULHANE | 08 | 12 | 20 |
| 52 | WRUSHALI R. MALWAR | 08 | 12 | 20 |
| | TOTAL (1 TO 52 ) | | | |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 11.03.2019

Verified
Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department Of Microbiology**

**Notice** **Date: 06/02/2019**

All the students of B. Sc. Part II semester –IV Microbiology are hereby informed that their topic for project assignments (as a part of their Internal Assessment) has been finalized. Students are advised to note their project topic and submit printed project assignment based on the recent development in the field, on or before **05th March, 2019.**

| S.N. | Name of Student | Project Assignment Topic |
|---|---|---|
| 1 | Ku. Aasiya P. S. Husain | Widal test 05/03/2019 |
| 2 | Ku. Aishwarya S. Kale | Antigenic determinants 05/03/2019 |
| 3 | Ku. Anushri D. Nagpure | Ig G (Immunoglobulin G) 05/03/2019 |
| 4 | Ku. Aparna D. Uike | Ig A (Immunoglobulin A) 05/03/2019 |
| 5 | Ku. Hema S. Jagtap | Ig M (Immunoglobulin M) 05/03/2019 |
| 6 | Himanshu S. Shende | RPR Test 05/03/2019 |
| 7 | Ku. Jayashree R. Yende | ELISA test 05/03/2019 |
| 8 | Mayur O. Titare | Precipitation Serological Reaction 05/03/2019 |
| 9 | Ku. Nikita P. Jadhao | Agglutination Serological Reaction 05/03/2019 |
| 10 | Ku. Nutan B. Lawankar | Structure of antibody 05/03/2019 |
| 11 | Owes R. Mugal | Monoclonal antibody 05/03/2019 |
| 12 | Ku. Piyusha D. Kalbande | Factors determining antigenecity 05/03/2019 |
| 13 | ~~Ku. Poonam C. Bhansali~~ | ~~Serological diagnosis of typhoid~~ |
| 14 | Ku. Pratiksha G. Tarpe | Serological diagnosis of syphilis 05/03/2019 |
| 15 | Ku. Rachana R. Sharma | Factors determining pathogenecity of *S. aureus* 05/03/19 |
| 16 | Ku. Riddhi V. Bhande | Antigenic characters of *Salmonella typhi* 05/03/2019 |
| 17 | Sagar G. Sontakke | Pathogenecity of *Vibrio cholerae* 05/03/2019 |
| 18 | Ku. Sakshi S. Mohod | Prophylaxis of *Vibrio cholerae* 05/03/2019 |
| 19 | Ku. Samruddhi V. Mahalle | Modes of disease transmission 05/03/2019 |
| 20 | Ku. Vaishnavi S. Hiwarkar | Pathogenecity of *S. aureus* 05/03/2019 |
| 21 | Ku. Vaishnavi S. Chandak | Types of infections 05/03/2019 |
| 22 | Ku. Vaishnavi V. Rannaware | Microbial virulence factors 05/03/2019 |
| 23 | Ku. Zarrin Fatema Z. | Control of communicable diseases 05/03/2019 |
| 24 | Ku. Akansha S. Chaudhari | Organs of immune system 05/03/2019 |
| 25 | Ku. Amruta P. Gorde | Cells of immune system 05/03/19 |
| 26 | Ku. Ashwini S. Patil | Complement fixation test 05/03/19 |
| 27 | Ku. Dipali K. Joi | Acquired active immunity 05/03/19 |
| 28 | Ku. Harshada Y. Bhendarkar | Acquired passive immunity 05/03/19 |
| 29 | Ku. Kajal R. Panpaliya | Hypersensitivity 05/03/2019 |
| 30 | Ku. Manasi L. Ranit | Pathogenic ity of *Mycobacterium tuberculosis* 05/03/19 |
| 31 | Ku. Nikita A. Sontakke | Pathogenecity of *Treponema pallidum* 05/03/2019 |
| 32 | Ku. Nikita R. Dole | Pathogenecity of *Clostridium tetani* 05/03/19 |
| 33 | Ku. Papiha P. Zele | Control of AIDS 05/03/2019 |
| 34 | Ku. Payal S. Bansod | Pathogenic aspects of *Candida albicans* 05/03/19 |
| 35 | Ku. Pooja D. Khadse | Pathogenic aspects of *Entamoeba histolytica* 05/03/2019 |
| 36 | Ku. Pranjali S. Lute | Rabies 05/03/2019 |
| 37 | Ku. Pratiksha R. Thakare | Antifungal agents (mode of action & applications) 05/03/19 |
| 38 | Ku. Pratiksha V. Yesankar | Antiviral agents (mode of action & applications) 05/03/19 |
| 39 | Ku. Prerana S. Kharapkar | Polio – Types, Causes & Symptoms 05/03/2019 |
| 40 | Ku. Roshani A. Hiware | Polio – Prevention 05/03/2019 |
| 41 | Ku. Sakshi S. Thakare | Polio – Global Eradication Initiative 05/03/19 |
| 42 | Ku. Sakshi V. Bhoge | Monoclonal antibodies 05/03/19 |
| 43 | Ku. Samiksha S. Thakare | Innate immunity 05/03/2019 |
| 44 | Ku. Sanaparvin K. Shah | Modes of disease transmission 05/03/2019 |
| 45 | Ku. Shivani S. Kawde | Infection process 05/03/19 |
| 46 | Ku. Shraddha S. Kamble | Normal flora of human body 05/03/19 |
| 47 | Ku. Sneha S. Padole | Prophylaxis of tuberculosis 05/03/19 |
| 48 | Ku. Snehal S. Sawant | Basic mechanism of antibiotics action 05/03/19 |
| 49 | Ku. Vaishnavi G. Gulhane | MIC determination 05/03/19 |
| 50 | Ku. Vaishnavi S. Thakare | Role of CLSI in microbiology 05/03/2019 |
| 51 | Ku. Vineshwari N. Alone | Viral Hepatitis 05/03/2019 |
| 52 | Ku. Vrushali P. Pinjari | Hepatitis risk factors 05/03/2019 |

(Dr. V. A.Kamble)

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 27/02/2019

# NOTICE

All the students B. Sc. Part II Semester - 4 Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on 08th March, 2019 at 2.45 pm in Microbiology Laboratory. All Students must remain present for the test examination.

Course For Test Examination : **Unit No. III Serology**

(Dr. V. A. Kamble)
Concerned Teacher

(Dr. Y. B. Gandole)

Principal

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Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

B.Sc.II (SEMESTER IV)

University Class Test Examination -2019

Paper- 4 S - Microbiology (Medical_Microbiology)

Time:-1.5 Hours Max.Marks:30

| | | | |
|---|---|---|---|
| Que.1 | (A) | **Fill in the Blanks** | (2) |
| | (i) | Antibodies are also known as ---------- | |
| | (ii) | Study of antigen & antibody reaction in vitro is called as----------. | |
| | (iii) | Reaction in which soluble antigen reacts with its corresponding antibody is known as -------- | |
| | (iv) | Kahn test is used for diagnosis of ---------- disease. | |
| | (B) | **Choose the correct answer** | (2) |
| | (i) | RPR (Rapid Plasma Reagin) test is used serodiagnosis of ---------- | |
| | | a) Typhoid b) Syphilis c) Tuberculosis d) Typhus Fever | |
| | (ii) | In agglutination reaction antigen used is ---------- | |
| | | a) Soluble b) Particulate c) Febrile | |
| | (iii) | Widal test is used for diagnosis of disease -------- | |
| | | a) Tuberculosis b) Typhoid c) Diphtheria d) Smallpox | |
| | (iv) | Blood grouping is a example of ---------- test | |
| | | a) Precipitation b) Flocculation c) Agglutination d) Complement Fixation | |
| | (C) | **Give the answer of following in one sentence each** | (2) |
| | (i) | What are antibodies? | |
| | (ii) | What is the chemical nature of most naturally occurring antigens? | |
| Que.2 | (a) | Discuss in brief mechanism and applications of precipitation reaction | (3) |
| | (b) | Explain in brief IgA | (3) |
| | (c) | Define: i) Complete Antigen ii) Complement | (3) |
| | | OR | |
| | (d) | Discuss in brief mechanism and applications of Agglutination reaction | (3) |
| | (e) | Explain in brief monoclonal antibodies | (3) |
| | (f) | Define : i) Immunoglobulin ii) Epitope | (3) |
| Que.3 | (a) | Define :- i) Hapten ii) Antigen | (3) |
| | (b) | Explain in brief factors determining antigenicity | (3) |
| | (c) | Describe in brief structure of antibody | (3) |
| | | OR | |
| | (d) | Describe in brief complement fixation test with its applications | (3) |
| | (e) | Explain in brief IgG | (3) |
| | (f) | Describe in brief ELISA | (3) |

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B.Sc. Part II - Sem IV.

Class Test - 2018-19

Sub - Microbiology

Paper - 4S (Medical Microbiology).

- Attendance sheet -

| S.N. | Name of Student | Signature. |
|---|---|---|
| 1. | Pratiksha R. Thakare | Thakare |
| 2. | ~~Ash~~ Aakansha S. Chaudhari | A S Chaudhari |
| 3. | Nikita A. Sontakke | N. A. Sontakke |
| 4. | Harshada Y. Bhendarkar. | H Y Bhendarkar |
| 5. | Vrushali P. Pinjari | VPPinjari |
| 6) | Roshani A. Hiwaree | Hiwaree |
| 7) | Vaishnavi thakare | |
| 8) | Shivani S. Kawde | Kawde |
| 9) | Sneha S. Sawant | Sawant |
| 10 | Mansi L. Ranit | MRanit |
| 11) | Nikita R. Dole | N. R. Dole |
| 12) | Samruddhi V. Mahalle | V. Mahalle. |
| 13) | Vaishnavi S. Hiwarkar | |
| 14) | Rachana, R. Sharma | RSharma |
| 15) | Payal S. Barsod | Barsod. |
| 16) | Pooja D. Khadse. | Khadse |
| 17) | Sana K. Shah | Shah. |
| 18) | Pranjali S. Kute | PSkute |
| 19) | Papiha P. Zele | PPZele |
| 20) | Vineshwary Alone | |
| 21) | Shraddha S. Kamble | SSkamble |
| 22) | Pratiksha V. Yesankar | Yesankar |
| 23) | Ashwini S. Patil | Apatil |
| 24) | Sakshi S. Thakare | Sthakare |
| 25) | Sakshi V. Bhoge | VBhoge. |

& Birla Comm. Mahavidyalaya

Department of

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33) Kajal R. Ponpaliya — Kajal

34) Prerana S Kharapkar — P. S. Kharapkar

35) Zarrin fatema — Zarrin

36) Aasiya parveen — Aasiya

37) Vaishnavi V. Rannaware — Rannaware

38) Jayashree R Yende — J Yende

39) Vaishnavi S. Chandak — Chandak

40) APARNA D LIKE — Like

41) Nutan B. Lawankar — Nutan

42) Samiksha S. Thakare — Thakare

43) Anushri Diliprao Nagpure — Nagpure

44) Nikita P. Jadhao — N Jadh

45) Himanshu S. Shende — Shende

46) Sagar G. Sontakke. — S. G. Sontakke

47) Vaishnavi G. Gulhane — [signature]

48) Sneha S. Padole — S Padole

49) Pratiksha G. Torpe — [signature]

50) Sakshi S. Mohod. — Mohod

51) Preeti Bhande — (Exam Conducted on 14/03/2019) as she has submitted the application to Principal — K. V. Bhande

Sant Gadge Baba Amravati University, Amravati

# Record of Internal Assessment Marks of Project Assignment (2018-2019)

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | Ku. Aasiya P. S. Husain | 06.02.2019 | 05.03.2019 | 04 |
| 2 | Ku. Aishwarya S. Kale | 06.02.2019 | 05.03.2019 | 04 |
| 3 | Ku. Anushri D. Nagpure | 06.02.2019 | 05.03.2019 | 04 |
| 4 | Ku. Aparna D. Uike | 06.02.2019 | 05.03.2019 | 04 |
| 5 | Ku. Hema S. Jagtap | 06.02.2019 | 05.03.2019 | 04 |
| 6 | Himanshu S. Shende | 06.02.2019 | 05.03.2019 | 04 |
| 7 | Ku. Jayashree R. Yende | 06.02.2019 | 05.03.2019 | 04 |
| 8 | Mayur O. Titare | 06.02.2019 | 05.03.2019 | 04 |
| 9 | Ku. Nikita P. Jadhao | 06.02.2019 | 05.03.2019 | 04 |
| 10 | Ku. Nutan B. Lawankar | 06.02.2019 | 05.03.2019 | 04 |
| 11 | Owes R. Mugal | 06.02.2019 | 05.03.2019 | 04 |
| 12 | Ku. Piyusha D. Kalbande | 06.02.2019 | 05.03.2019 | 04 |
| 13 | Ku. Pratiksha G. Tarpe | 06.02.2019 | 05.03.2019 | 04 |
| 14 | Ku. Rachana R. Sharma | 06.02.2019 | 05.03.2019 | 04 |
| 15 | Ku. Riddhi V. Bhande | 06.02.2019 | 05.03.2019 | 04 |
| 16 | Sagar G. Sontakke | 06.02.2019 | 05.03.2019 | 04 |
| 17 | Ku. Sakshi S. Mohod | 06.02.2019 | 05.03.2019 | 04 |
| 18 | Ku. Samruddhi V. Mahalle | 06.02.2019 | 05.03.2019 | 04 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 06.02.2019 | 05.03.2019 | 04 |
| 20 | Ku. Vaishnavi S. Chandak | 06.02.2019 | 05.03.2019 | 04 |
| 21 | Ku. Vaishnavi V. Rannaware | 06.02.2019 | 05.03.2019 | 04 |
| 22 | Ku. Zarrin Fatema Z. | 06.02.2019 | 05.03.2019 | 04 |
| 23 | Ku. Akansha S. Chaudhari | 06.02.2019 | 05.03.2019 | 04 |
| 24 | Ku. Amruta P. Gorde | 06.02.2019 | 05.03.2019 | 04 |
| 25 | Ku. Ashwini S. Patil | 06.02.2019 | 05.03.2019 | 04 |
| 26 | Ku. Dipali K. Joi | 06.02.2019 | 05.03.2019 | 04 |
| 27 | Ku. Harshada Y. Bhendarkar | 06.02.2019 | 05.03.2019 | 04 |
| 28 | Ku. Kajal R. Panpaliya | 06.02.2019 | 05.03.2019 | 04 |
| 29 | Ku. Manasi L. Ranit | 06.02.2019 | 05.03.2019 | 04 |
| 30 | Ku. Nikita A. Sontakke | 06.02.2019 | 05.03.2019 | 04 |
| 31 | Ku. Nikita R. Dole | 06.02.2019 | 05.03.2019 | 04 |
| 32 | Ku. Papiha P. Zele | 06.02.2019 | 05.03.2019 | 04 |
| 33 | Ku. Payal S. Bansod | 06.02.2019 | 05.03.2019 | 04 |
| 34 | Ku. Pooja D. Khadse | 06.02.2019 | 05.03.2019 | 04 |
| 35 | Ku. Pranjali S. Lute | 06.02.2019 | 05.03.2019 | 04 |
| 36 | Ku. Pratiksha R. Thakare | 06.02.2019 | 05.03.2019 | 04 |
| 37 | Ku. Pratiksha V. Yesankar | 06.02.2019 | 05.03.2019 | 04 |
| 38 | Ku. Prerana S. Kharapkar | 06.02.2019 | 05.03.2019 | 04 |
| 39 | Ku. Roshani A. Hiware | 06.02.2019 | 05.03.2019 | 04 |
| 40 | Ku. Sakshi S. Thakare | 06.02.2019 | 05.03.2019 | 04 |
| 41 | Ku. Sakshi V. Bhoge | 06.02.2019 | 05.03.2019 | 04 |
| 42 | Ku. Samiksha S. Thakare | 06.02.2019 | 05.03.2019 | 04 |
| 43 | Ku. Sanaparvin K. Shah | 06.02.2019 | 05.03.2019 | 04 |
| 44 | Ku. Shivani S. Kawde | 06.02.2019 | 05.03.2019 | 04 |
| 45 | Ku. Shraddha S. Kamble | 06.02.2019 | 05.03.2019 | 04 |
| 46 | Ku. Sneha S. Padole | 06.02.2019 | 05.03.2019 | 04 |
| 47 | Ku. Snehal S. Sawant | 06.02.2019 | 05.03.2019 | 04 |
| 48 | Ku. Vaishnavi G. Gulhane | 06.02.2019 | 05.03.2019 | 04 |
| 49 | Ku. Vaishnavi S. Thakare | 06.02.2019 | 05.03.2019 | 04 |
| 50 | Ku. Vineshwari N. Alone | 06.02.2019 | 05.03.2019 | 04 |
| 51 | Ku. Vrushali P. Pinjari | 06.02.2019 | 05.03.2019 | 04 |
| | TOTAL (1 TO 51) | | | 204 |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya

Signature of H. O. D.

Head
Department of Microbiology

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**Record of Record of Class Tests** (2018-2019)

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Class Test Date: 08.03.2019 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Mark | Mark Obtained | Pass/ Fail | |
| 1 | Ku. Aasiya P. S. Husain | 30 | 26 | Pass | 10 |
| 2 | Ku. Aishwarya S. Kale | 30 | 26 | Pass | 10 |
| 3 | Ku. Anushri D. Nagpure | 30 | 24 | Pass | 10 |
| 4 | Ku. Aparna D. Ujke | 30 | 25 | Pass | 10 |
| 5 | Ku. Hema S. Jagtap | 30 | 24 | Pass | 10 |
| 6 | Himanshu S. Shende | 30 | 25 | Pass | 10 |
| 7 | Ku. Jayashree R. Yende | 30 | 27 | Pass | 10 |
| 8 | Mayur O. Titare | 30 | 29 | Pass | 10 |
| 9 | Ku. Nikita P. Jadhao | 30 | 27 | Pass | 10 |
| 10 | Ku. Nutan B. Lawankar | 30 | 25 | Pass | 10 |
| 11 | Owes R. Mugal | 30 | 29 | Pass | 10 |
| 12 | Ku. Piyusha D. Kalbande | 30 | 24 | Pass | 10 |
| 13 | Ku. Pratiksha G. Tarpe | 30 | 27 | Pass | 10 |
| 14 | Ku. Rachana R. Sharma | 30 | 27 | Pass | 10 |
| 15 | Ku. Riddhi V. Bhande | 30 | 24 | Pass | 10 |
| 16 | Sagar G. Sontakke | 30 | 24 | Pass | 10 |
| 17 | Ku. Sakshi S. Mohod | 30 | 27 | Pass | 10 |
| 18 | Ku. Samruddhi V. Mahalle | 30 | 27 | Pass | 10 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 30 | 26 | Pass | 10 |
| 20 | Ku. Vaishnavi S. Chandak | 30 | 28 | Pass | 10 |
| 21 | Ku. Vaishnavi V. Rannaware | 30 | 25 | Pass | 10 |
| 22 | Ku. Zarrin Fatema Z. | 30 | 25 | Pass | 10 |
| 23 | Ku. Akansha S. Chaudhari | 30 | 27 | Pass | 10 |
| 24 | Ku. Amruta P. Gorde | 30 | 26 | Pass | 10 |
| 25 | Ku. Ashwini S. Patil | 30 | 25 | Pass | 10 |
| 26 | Ku. Dipali K. Joi | 30 | 27 | Pass | 10 |
| 27 | Ku. Harshada Y. Bhendarkar | 30 | 28 | Pass | 10 |
| 28 | Ku. Kajal R. Panpaliya | 30 | 27 | Pass | 10 |
| 29 | Ku. Manasi L. Ranit | 30 | 26 | Pass | 10 |
| 30 | Ku. Nikita A. Sontakke | 30 | 28 | Pass | 10 |
| 31 | Ku. Nikita R. Dole | 30 | 25 | Pass | 10 |
| 32 | Ku. Papiha P. Zele | 30 | 25 | Pass | 10 |
| 33 | Ku. Payal S. Bansod | 30 | 27 | Pass | 10 |
| 34 | Ku. Pooja D. Khadse | 30 | 25 | Pass | 10 |
| 35 | Ku. Pranjali S. Lute | 30 | 24 | Pass | 10 |
| 36 | Ku. Pratiksha R. Thakare | 30 | 26 | Pass | 10 |
| 37 | Ku. Pratiksha V. Yesankar | 30 | 27 | Pass | 10 |
| 38 | Ku. Prerana S. Kharapkar | 30 | 28 | Pass | 10 |
| 39 | Ku. Roshani A. Hiware | 30 | 27 | Pass | 10 |
| 40 | Ku. Sakshi S. Thakare | 30 | 24 | Pass | 10 |
| 41 | Ku. Sakshi V. Bhoge | 30 | 24 | Pass | 10 |
| 42 | Ku. Samiksha S. Thakare | 30 | 24 | Pass | 10 |
| 43 | Ku. Sanaparvin K. Shah | 30 | 28 | Pass | 10 |
| 44 | Ku. Shivani S. Kawde | 30 | 26 | Pass | 10 |
| 45 | Ku. Shraddha S. Kamble | 30 | 25 | Pass | 10 |
| 46 | Ku. Sneha S. Padole | 30 | 25 | Pass | 10 |
| 47 | Ku. Snehal S. Sawant | 30 | 25 | Pass | 10 |
| 48 | Ku. Vaishnavi G. Gulhane | 30 | 27 | Pass | 10 |
| 49 | Ku. Vaishnavi S. Thakare | 30 | 25 | Pass | 10 |
| 50 | Ku. Vineshwari N. Alone | 30 | 26 | Pass | 10 |
| 51 | Ku. Vrushali P. Pinjari | 30 | 27 | Pass | 10 |
| | TOTAL (1 TO 51) | | | | |

Name and Signature of Teacher

Principal
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya,

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Sant Gadge Baba Amravati University, Amravati

**Seminar / Group Discussion/ Study Tour** (2018-2019)

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Study tour | Date Of visit | Marks Awarded |
|---|---|---|---|---|
| 1 | Ku. Aasiya P. S. Husain | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 2 | Ku. Aishwarya S. Kale | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 3 | Ku. Anushri D. Nagpure | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 4 | Ku. Aparna D. Uike | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 5 | Ku. Hema S. Jagtap | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 6 | Himanshu S. Shende | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 7 | Ku. Jayashree R. Yende | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 8 | Mayur O. Titare | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 9 | Ku. Nikita P. Jadhao | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 10 | Ku. Nutan B. Lawankar | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 11 | Owes R. Mugal | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 12 | Ku. Piyusha D. Kalbande | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 13 | Ku. Pratiksha G. Tarpe | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 14 | Ku. Rachana R. Sharma | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 15 | Ku. Riddhi V. Bhande | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 16 | Sagar G. Sontakke | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 17 | Ku. Sakshi S. Mohod | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 18 | Ku. Samruddhi V. Mahalle | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 19 | Ku. Vaishnavi S. Hiwarkar | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 20 | Ku. Vaishnavi S. Chandak | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 21 | Ku. Vaishnavi V. Rannaware | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 22 | Ku. Zarrin Fatema Z. | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 23 | Ku. Akansha S. Chaudhari | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 24 | Ku. Amruta P. Gorde | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 25 | Ku. Ashwini S. Patil | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 26 | Ku. Dipali K. Joi | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 27 | Ku. Harshada Y. Bhendarkar | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 28 | Ku. Kajal R. Panpaliya | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 29 | Ku. Manasi L. Ranit | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 30 | Ku. Nikita A. Sontakke | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 31 | Ku. Nikita R. Dole | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 32 | Ku. Papiha P. Zele | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 33 | Ku. Payal S. Bansod | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 34 | Ku. Pooja D. Khadse | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 35 | Ku. Pranjali S. Lute | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 36 | Ku. Pratiksha R. Thakare | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 37 | Ku. Pratiksha V. Yesankar | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 38 | Ku. Prerana S. Kharapkar | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 39 | Ku. Roshani A. Hiware | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 40 | Ku. Sakshi S. Thakare | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 41 | Ku. Sakshi V. Bhoge | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 42 | Ku. Samiksha S. Thakare | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 43 | Ku. Sanaparvin K. Shah | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 44 | Ku. Shivani S. Kawde | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 45 | Ku. Shraddha S. Kamble | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 46 | Ku. Sneha S. Padole | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 47 | Ku. Snehal S. Sawant | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 48 | Ku. Vaishnavi G. Gulhane | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 49 | Ku. Vaishnavi S. Thakare | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 50 | Ku. Vineshwari N. Alone | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| 51 | Ku. Vrushali P. Pinjari | Visit to research organization NEERI, Nagpur | 12.02.2019 | 06 |
| | TOTAL (1 TO 51) | | | 306 |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Consolidated Records of Internal Assignment Marks 2018-2019**

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment Max. Marks:- 04 | Study Tour Max. Marks:-06 | Class Tests Max. Marks:- 10 | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| 1 | Ku. Aasiya P. S. Husain | 04 | 06 | 10 | 20 |
| 2 | Ku. Aishwarya S. Kale | 04 | 06 | 10 | 20 |
| 3 | Ku. Anushri D. Nagpure | 04 | 06 | 10 | 20 |
| 4 | Ku. Aparna D. Uike | 04 | 06 | 10 | 20 |
| 5 | Ku. Hema S. Jagtap | 04 | 06 | 10 | 20 |
| 6 | Himanshu S. Shende | 04 | 06 | 10 | 20 |
| 7 | Ku. Jayashree R. Yende | 04 | 06 | 10 | 20 |
| 8 | Mayur O. Titare | 04 | 06 | 10 | 20 |
| 9 | Ku. Nikita P. Jadhao | 04 | 06 | 10 | 20 |
| 10 | Ku. Nutan B. Lawankar | 04 | 06 | 10 | 20 |
| 11 | Owes R. Mugal | 04 | 06 | 10 | 20 |
| 12 | Ku. Piyusha D. Kalbande | 04 | 06 | 10 | 20 |
| 13 | Ku. Pratiksha G. Tarpe | 04 | 06 | 10 | 20 |
| 14 | Ku. Rachana R. Sharma | 04 | 06 | 10 | 20 |
| 15 | Ku. Riddhi V. Bhande | 04 | 06 | 10 | 20 |
| 16 | Sagar G. Sontakke | 04 | 06 | 10 | 20 |
| 17 | Ku. Sakshi S. Mohod | 04 | 06 | 10 | 20 |
| 18 | Ku. Samruddhi V. Mahalle | 04 | 06 | 10 | 20 |
| 19 | Ku. Vaishnavi S. Hiwarkar | 04 | 06 | 10 | 20 |
| 20 | Ku. Vaishnavi S. Chandak | 04 | 06 | 10 | 20 |
| 21 | Ku. Vaishnavi V. Rannaware | 04 | 06 | 10 | 20 |
| 22 | Ku. Zarrin Fatema Z. | 04 | 06 | 10 | 20 |
| 23 | Ku. Akansha S. Chaudhari | 04 | 06 | 10 | 20 |
| 24 | Ku. Amruta P. Gorde | 04 | 06 | 10 | 20 |
| 25 | Ku. Ashwini S. Patil | 04 | 06 | 10 | 20 |
| 26 | Ku. Dipali K. Joi | 04 | 06 | 10 | 20 |
| 27 | Ku. Harshada Y. Bhendarkar | 04 | 06 | 10 | 20 |
| 28 | Ku. Kajal R. Panpaliya | 04 | 06 | 10 | 20 |
| 29 | Ku. Manasi L. Ranit | 04 | 06 | 10 | 20 |
| 30 | Ku. Nikita A. Sontakke | 04 | 06 | 10 | 20 |
| 31 | Ku. Nikita R. Dole | 04 | 06 | 10 | 20 |
| 32 | Ku. Papiha P. Zele | 04 | 06 | 10 | 20 |
| 33 | Ku. Payal S. Bansod | 04 | 06 | 10 | 20 |
| 34 | Ku. Pooja D. Khadse | 04 | 06 | 10 | 20 |
| 35 | Ku. Pranjali S. Lute | 04 | 06 | 10 | 20 |
| 36 | Ku. Pratiksha R. Thakare | 04 | 06 | 10 | 20 |
| 37 | Ku. Pratiksha V. Yesankar | 04 | 06 | 10 | 20 |
| 38 | Ku. Prerana S. Kharapkar | 04 | 06 | 10 | 20 |
| 39 | Ku. Roshani A. Hiware | 04 | 06 | 10 | 20 |
| 40 | Ku. Sakshi S. Thakare | 04 | 06 | 10 | 20 |
| 41 | Ku. Sakshi V. Bhoge | 04 | 06 | 10 | 20 |
| 42 | Ku. Samiksha S. Thakare | 04 | 06 | 10 | 20 |
| 43 | Ku. Sanaparvin K. Shah | 04 | 06 | 10 | 20 |
| 44 | Ku. Shivani S. Kawde | 04 | 06 | 10 | 20 |
| 45 | Ku. Shraddha S. Kamble | 04 | 06 | 10 | 20 |
| 46 | Ku. Sneha S. Padole | 04 | 06 | 10 | 20 |
| 47 | Ku. Snehal S. Sawant | 04 | 06 | 10 | 20 |
| 48 | Ku. Vaishnavi G. Gulhane | 04 | 06 | 10 | 20 |
| 49 | Ku. Vaishnavi S. Thakare | 04 | 06 | 10 | 20 |
| 50 | Ku. Vineshwari N. Alone | 04 | 06 | 10 | 20 |
| 51 | Ku. Vrushali P. Pinjari | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 51) | **204** | **306** | **510** | **1020** |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla,
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 12/02/2019**

All the students of B. Sc. Part III semester –VI Microbiology are hereby informed that their topic for project assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for project assignment and submit the project assignment on or before 28th February 2019.

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

Class Test Examination 2022

B. Sc. Part III 6 S – Microbiology (Industrial Fermentation, Food Microbiology & Metabolism)

Unit I & II

MAX. MARKS – 30

TIME: 1.5 HRS

Que.1.(A) Fill in the blanks:- (2)

i) The aeration device in fermentation tank is called a ----------,

ii) Whey is obtained as a by-product of ---------- industry.

iii) Cidar vinegar is made by alcoholic and acetous fermentation of ---------

iv) Malt is prepared from ----------. (2)

(B) Choose the correct answer.

(i) Large vessel containing all the parts and condition necessary for the growth of desired microorganisms is called ----------

**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date: 01/02/2019**

All the students of B. Sc. Part III semester –VI are hereby informed that their Class test (Internal assessment marks) in Microbiology will be conducted on 20/02/2019 at 2.55 a.m. in Laboratory. All students must remain present for this test examination.

| Course | Unit 2:Industrial Fermentation<br>Unit 4: Food Microbiology |
|---|---|

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Class Test Examination 2022

B. Sc. Part III 6 S – Microbiology (Industrial Fermentation, Food Microbiology & Metabolism)

Unit I & II

TIME: 1.5 HRS MAX. MARKS – 30

Que.1.(A) Fill in the blanks:- (2)

i) The aeration device in fermentation tank is called a ----------,

ii) Whey is obtained as a by-product of ---------- industry.

iii) Cidar vinegar is made by alcoholic and acetous fermentation of ----------

.iv) Malt is prepared from ----------.

(B) Choose the correct answer. (2)

(i) Large vessel containing all the parts and condition necessary for the growth of desired microorganisms is called ----------

a. Bio reactor b. Auto reactor c. Impeller d. None of these

(ii) Batch fermentation is also called ----------

a. Closed system b. Open system c. Fed-Batch system d. Sub-merger system

(iii) During fermentation, pyruvic acid is converted into organic products such as

a. glucose and fructose b. starch and cellulose c. ethyl alcohol and lactic acid d. citric acid and isocitric acid

(iv) By-product of acetone-butanol fermentation include

a. Riboflavin b. Penicillin c. Isopropanol d. All of these

(C) Give the answer of following in ONE sentence each. (2)

a) Define industrial microbiology

b) Give the examples of antifoaming agents.

Que 2 What is screening? Describe in brief different techniques of primary screening. (12)

OR

Describe in detail different types of raw materials used in fermentation industry. (12)

Que 3 a) Explain how fermentation medium is prepared for beer manufacturing process. (4)

b) Describe in brief manufacture of red wine. (4)

c) 'Production of vinegar requires two fermentations' justify the statement. (4)

or

d) Discuss the enzymatic mechanism of alcoholic fermentation. (4)

e) Give some important industrial uses of citric acid. (4)

f) What are malt adjuncts ? Give its role in brewing process. (4)

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Class Test Examination 2022

B. Sc. Part III 6 S – Microbiology (Industrial Fermentation, Food Microbiology & Metabolism)

Unit I & II

TIME: 1.5 HRS MAX. MARKS – 30

Que.1.(A) Fill in the blanks:- (2)

i) The aeration device in fermentation tank is called a ----------,

ii) Whey is obtained as a by-product of ---------- industry.

iii) Cidar vinegar is made by alcoholic and acetous fermentation of ----------

.iv) Malt is prepared from ----------.

(B) Choose the correct answer. (2)

(i) Large vessel containing all the parts and condition necessary for the growth of desired microorganisms is called ----------

a. Bio reactor b. Auto reactor c. Impeller d. None of these

(ii) Batch fermentation is also called ----------

a. Closed system b. Open system c. Fed-Batch system d. Sub-merger system

(iii) During fermentation, pyruvic acid is converted into organic products such as

a. glucose and fructose b. starch and cellulose c. ethyl alcohol and lactic acid d. citric acid and isocitric acid

(iv) By-product of acetone-butanol fermentation include

a. Riboflavin b. Penicillin c. Isopropanol d. All of these

(C) Give the answer of following in ONE sentence each. (2)

a) Define industrial microbiology

b) Give the examples of antifoaming agents.

Que 2 What is screening? Describe in brief different techniques of primary screening. (12)

OR

Describe in detail different types of raw materials used in fermentation industry. (12)

Que 3 a) Explain how fermentation medium is prepared for beer manufacturing process. (4)

b) Describe in brief manufacture of red wine. (4)

c) 'Production of vinegar requires two fermentations' justify the statement. (4)

or

d) Discuss the enzymatic mechanism of alcoholic fermentation. (4)

e) Give some important industrial uses of citric acid. (4)

f) What are malt adjuncts ? Give its role in brewing process. (4)


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Sant Gadge Baba Amravati University, Amravati
Record of Class Test (2018-2019)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –VI)
Subject : Microbiology
Paper (With Title) –6 S Microbiology
(Industrial Fermentation,Food Microbiology and Metabolism)

Name of Teacher : Dr. G. N. Budhlani — Designation : Associate Professor

Max.Marks:10

| Sr. No | Name of the student | CLASS TEST/ Date:20.02.2019 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Marks | Marks | Pass/ Fail | |
| 1 | Aafreen jahan s. Murtuza | 30 | 29 | Pass | 10 |
| 2 | Akshay d. Itiwale | 30 | 26 | Pass | 10 |
| 3 | Akshay m. Bhoyar | 30 | 25 | Pass | 10 |
| 4 | Aniket j. Raut | 30 | 24 | Pass | 10 |
| 5 | Bhaktee p. Shelotkar | 30 | 27 | Pass | 10 |
| 6 | Harshada s. Thakare | 30 | 26 | Pass | 10 |
| 7 | Harshita p. Shriwas | 30 | 25 | Pass | 10 |
| 8 | Kartik s. Gayke | 30 | 25 | Pass | 10 |
| 9 | Krupali v. Deshmukh | 30 | 24 | Pass | 10 |
| 10 | Kunjan s. Chandure | 30 | 26 | Pass | 10 |
| 11 | Minakshi a. Harge | 30 | 24 | Pass | 10 |
| 12 | Mithila v. Jadhao | 30 | 28 | Pass | 10 |
| 13 | Nikita g. Choudhari | 30 | 27 | Pass | 10 |
| 14 | Parul v. Rathi | 30 | 28 | Pass | 10 |
| 15 | Pooja s. Mandokar | 30 | 27 | Pass | 10 |
| 16 | Prajakta d. Pawar | 30 | 26 | Pass | 10 |
| 17 | Prajakta u. Naik | 30 | 24 | Pass | 10 |
| 18 | Priyanka d. Mahatme | 30 | 26 | Pass | 10 |
| 19 | Radha k. Supalkar | 30 | 27 | Pass | 10 |
| 20 | Rashmita m. Bodalkar | 30 | 28 | Pass | 10 |
| 21 | Saloni m. Hendave | 30 | 26 | Pass | 10 |
| 22 | Saurav m. Dhote | 30 | 28 | Pass | 10 |
| 23 | Siddhi v. Raut | 30 | 25 | Pass | 10 |
| 24 | Summaya firdous m. Kaisar | 30 | 29 | Pass | 10 |
| 25 | Vaishnavi g. Patil | 30 | 28 | Pass | 10 |
| 26 | Vaishnavi r. Pabale | 30 | 28 | Pass | 10 |
| 27 | Yuvraj h. Soni | 30 | 25 | Pass | 10 |
| 28 | Aditya a. Shelokar | 30 | 24 | Pass | 10 |
| 29 | Akshay p. Kombe | 30 | 25 | Pass | 10 |
| 30 | Damini k. Chaudhari | 30 | 25 | Pass | 10 |
| 31 | Diksha s. Chikram | 30 | 28 | Pass | 10 |
| 32 | Dipika g. Uike | 30 | 25 | Pass | 10 |
| 33 | Harsha v. Virulkar | 30 | 26 | Pass | 10 |
| 34 | Karuna s. Madare | 30 | 27 | Pass | 10 |
| 35 | Manisha s. Padole | 30 | 28 | Pass | 10 |
| 36 | Mayuri s. Mahajan | 30 | 26 | Pass | 10 |
| 37 | Monali d. Budhlani | 30 | 29 | Pass | 10 |
| 38 | Monika m. Dive | 30 | 26 | Pass | 10 |
| 39 | Mrunal k. Bhoge | 30 | 26 | Pass | 10 |
| 40 | Nikita a. Zade | 30 | 27 | Pass | 10 |
| 41 | Poonam d. Raghorte | 30 | 28 | Pass | 10 |
| 42 | Priya s. Thakare | 30 | 27 | Pass | 10 |
| 43 | Rajkamal v. Thakre | 30 | 27 | Pass | 10 |
| 44 | Renuka r. Tale | 30 | 29 | Pass | 10 |
| 45 | Saloni v. Baghel | 30 | 26 | Pass | 10 |
| 46 | Shreyasti h. Padole | 30 | 27 | Pass | 10 |
| 47 | Snehal v. Talware | 30 | 28 | Pass | 10 |
| 48 | Suvidha n. Thakare | 30 | 26 | Pass | 10 |
| 49 | Tejaswini a. Kaikade | 30 | 25 | Pass | 10 |
| 50 | Vaishnavi d. Ingle | 30 | 28 | Pass | 10 |
| 51 | Veeral s. Chandrana | 30 | 27 | Pass | 10 |
| 52 | Praniali Zade | 30 | 25 | Pass | 10 |
| 53 | Indrayani J ichkar | 30 | 25 | Pass | 10 |
| | TOTAL (1 TO 53) | 1590 | 1428 | | 530 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date :11.03.19

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya.

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Record of Internal Assessment Marks of Industrial visit (2018-2019)

Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly

Class : B.Sc. Part III ( Semester–VI)

Subject : Microbiology

Paper (With Title) –6/S Microbiology

(Industrial Fermentation,Food Microbiology and Metabolism)

Name of Teacher : Dr. G. N. Budhlani

Designation : Associate Professor

Max.Marks:06

| Sr. | Name of the Student | Industrial visit/ Marks Awarded |
|---|---|---|
| 1 | Aafreen jahan s. Murtuza | Marks Awarded |
| 2 | Akshay d. Itiwale | 06 |
| 3 | Akshay m. Bhoyar | 06 |
| 4 | Aniket j. Raut | 06 |
| 5 | Bhaktee p. Shelotkar | 06 |
| 6 | Harshada s. Thakare | 06 |
| 7 | Harshita p. Shriwas | 06 |
| 8 | Kartik s. Gayke | 06 |
| 9 | Krupali v. Deshmukh | 06 |
| 10 | Kunjan s. Chandure | 06 |
| 11 | Minakshi a. Harge | 06 |
| 12 | Mithila v. Jadhao | 06 |
| 13 | Nikita g. Choudhari | 06 |
| 14 | Parul v. Rathi | 06 |
| 15 | Pooja s. Mandokar | 06 |
| 16 | Prajakta d. Pawar | 06 |
| 17 | Prajakta u. Naik | 06 |
| 18 | Priyanka d. Mahatme | 06 |
| 19 | Radha k. Supalkar | 06 |
| 20 | Rashmita m. Bodalkar | 06 |
| 21 | Saloni m. Hendave | 06 |
| 22 | Saurav m. Dhote | 06 |
| 23 | Siddhi v. Raut | 06 |
| 24 | Summaya firdous m. Kaisar | 06 |
| 25 | Vaishnavi g. Patil | 06 |
| 26 | Vaishnavi r. Pabale | 00 |
| 27 | Yuvraj h. Soni | 06 |
| 28 | Aditya a. Shelokar | 06 |
| 29 | Akshay p. Kombe | 06 |
| 30 | Damini k. Chaudhari | 06 |
| 31 | Diksha s. Chikram | 06 |
| 32 | Dipika g. Uike | 06 |
| 33 | Harsha v. Virulkar | 06 |
| 34 | Karuna s. Madare | 06 |
| 35 | Manisha s. Padole | 06 |
| 36 | Mayuri s. Mahajan | 06 |
| 37 | Monali d. Budhlani | 06 |
| 38 | Monika m. Dive | 06 |
| 39 | Mrunal k. Bhoge | 06 |
| 40 | Nikita a. Zade | 06 |
| 41 | Poonam d. Raghorte | 06 |
| 42 | Priya s. Thakare | 06 |
| 43 | Rajkamal v. Thakre | 06 |
| 44 | Renuka r. Tale | 06 |
| 45 | Saloni v. Baghel | 06 |
| 46 | Shreyasti h. Padole | 06 |
| 47 | Snehal v. Talware | 06 |
| 48 | Suvidha n. Thakare | 06 |
| 49 | Tejaswini a. Kaikade | 06 |
| 50 | Vaishnavi d. Ingle | 06 |
| 51 | Veeral s. Chandrana | 06 |
| 52 | Pranjali Zade | 06 |
| 53 | Indrayani J ichkar | 06 |
| | TOTAL (1 TO 53) | 318 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date :11.03.19

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks of Assignments / Project Assignment) (2018-2019)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –VI)
Subject : Microbiology
Paper (With Title) –6 S Microbiology
(Industrial Fermentation,Food Microbiology and Metabolism)
Name of Teacher : Dr. G. N. Budhlani
Designation : Associate Professor
Max.Marks:04

| S.NO. | Name of the student | Project Assignment | | Marks awarded |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 01 | Aafreen jahan s. Murtuza | 12.022019 | 28.02.2019 | 04 |
| 02 | Akshay d. Itiwale | 12.022019 | 28.02.2019 | 04 |
| 03 | Akshay m. Bhoyar | 12.022019 | 28.02.2019 | 04 |
| 04 | Aniket j. Raut | 12.022019 | 28.02.2019 | 04 |
| 05 | Bhaktee p. Shelotkar | 12.022019 | 28.02.2019 | 04 |
| 06 | Harshada s. Thakare | 12.022019 | 28.02.2019 | 04 |
| 07 | Harshita p. Shriwas | 12.022019 | 28.02.2019 | 04 |
| 08 | Kartik s. Gayke | 12.022019 | 28.02.2019 | 04 |
| 09 | Krupali v. Deshmukh | 12.022019 | 28.02.2019 | 04 |
| 10 | Kunjan s. Chandure | 12.022019 | 28.02.2019 | 04 |
| 11 | Minakshi a. Harge | 12.022019 | 28.02.2019 | 04 |
| 12 | Mithila v. Jadhao | 12.022019 | 28.02.2019 | 04 |
| 13 | Nikita g. Choudhari | 12.022019 | 28.02.2019 | 04 |
| 14 | Parul v. Rathi | 12.022019 | 28.02.2019 | 04 |
| 15 | Pooja s. Mandokar | 12.022019 | 28.02.2019 | 04 |
| 16 | Prajakta d. Pawar | 12.022019 | 28.02.2019 | 04 |
| 17 | Prajakta u. Naik | 12.022019 | 28.02.2019 | 04 |
| 18 | Priyanka d. Mahatme | 12.022019 | 28.02.2019 | 04 |
| 19 | Radha k. Supalkar | 12.022019 | 28.02.2019 | 04 |
| 20 | Rashmita m. Bodalkar | 12.022019 | 28.02.2019 | 04 |
| 21 | Saloni m. Hendave | 12.022019 | 28.02.2019 | 04 |
| 22 | Saurav m. Dhote | 12.022019 | 28.02.2019 | 04 |
| 23 | Siddhi v. Raut | 12.022019 | 28.02.2019 | 04 |
| 24 | Summaya firdous m. Kaisar | 12.022019 | 28.02.2019 | 00 |
| 25 | Vaishnavi g. Patil | 12.022019 | 28.02.2019 | 04 |
| 26 | Vaishnavi r. Pabale | 12.022019 | 28.02.2019 | 04 |
| 27 | Yuvraj h. Soni | 12.022019 | 28.02.2019 | 04 |
| 28 | Aditya a. Shelokar | 12.022019 | 28.02.2019 | 04 |
| 29 | Akshay p. Kombe | 12.022019 | 28.02.2019 | 04 |
| 30 | Damini k. Chaudhari | 12.022019 | 28.02.2019 | 04 |
| 31 | Diksha s. Chikram | 12.022019 | 28.02.2019 | 04 |
| 32 | Dipika g. Uike | 12.022019 | 28.02.2019 | 04 |
| 33 | Harsha v. Virulkar | 12.022019 | 28.02.2019 | 04 |
| 34 | Karuna s. Madare | 12.022019 | 28.02.2019 | 04 |
| 35 | Manisha s. Padole | 12.022019 | 28.02.2019 | 04 |
| 36 | Mayuri s. Mahajan | 12.022019 | 28.02.2019 | 04 |
| 37 | Monali d. Budhlani | 12.022019 | 28.02.2019 | 04 |
| 38 | Monika m. Dive | 12.022019 | 28.02.2019 | 04 |
| 39 | Mrunal k. Bhoge | 12.022019 | 28.02.2019 | 04 |
| 40 | Nikita a. Zade | 12.022019 | 28.02.2019 | 04 |
| 41 | Poonam d. Raghorte | 12.022019 | 28.02.2019 | 04 |
| 42 | Priya s. Thakare | 12.022019 | 28.02.2019 | 04 |
| 43 | Rajkamal v. Thakre | 12.022019 | 28.02.2019 | 04 |
| 44 | Renuka r. Tale | 12.022019 | 28.02.2019 | 04 |
| 45 | Saloni v. Baghel | 12.022019 | 28.02.2019 | 04 |
| 46 | Shreyasti h. Padole | 12.022019 | 28.02.2019 | 04 |
| 47 | Snehal v. Talware | 12.022019 | 28.02.2019 | 04 |
| 48 | Suvidha n. Thakare | 12.022019 | 28.02.2019 | 04 |
| 49 | Tejaswini a. Kaikade | 12.022019 | 28.02.2019 | 04 |
| 50 | Vaishnavi d. Ingle | 12.022019 | 28.02.2019 | 04 |
| 51 | Veeral s. Chandrana | 12.022019 | 28.02.2019 | 04 |
| 52 | Praniali Zade | 12.022019 | 28.02.2019 | 04 |
| 53 | Indrayani J ichkar | 12.022019 | 28.02.2019 | 04 |
| | | Total of (1 to 53) | | 212 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 11.03.19

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks (2018-2019)
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part III ( Semester –V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)
Name of Teacher : Dr. G. N. Budhlani
Designation : Associate Professor
Max.Marks:10

| Sr. No. | Name of the Student | Marks Obtained | | | Max. Marks:-20 |
|---|---|---|---|---|---|
| | | Project | Industrial visit | Class Tests | Total |
| 01 | Aafreen jahan s. Murtuza | 04 | 06 | 10 | 20 |
| 02 | Akshay d. Itiwale | 04 | 06 | 10 | 20 |
| 03 | Akshay m. Bhoyar | 04 | 06 | 10 | 20 |
| 04 | Aniket j. Raut | 04 | 06 | 10 | 20 |
| 05 | Bhaktee p. Shelotkar | 04 | 06 | 10 | 20 |
| 06 | Harshada s. Thakare | 04 | 06 | 10 | 20 |
| 07 | Harshita p. Shriwas | 04 | 06 | 10 | 20 |
| 08 | Kartik s. Gayke | 04 | 06 | 10 | 20 |
| 09 | Krupali v. Deshmukh | 04 | 06 | 10 | 20 |
| 10 | Kunjan s. Chandure | 04 | 06 | 10 | 20 |
| 11 | Minakshi a. Harge | 04 | 06 | 10 | 20 |
| 12 | Mithila v. Jadhao | 04 | 06 | 10 | 20 |
| 13 | Nikita g. Choudhari | 04 | 06 | 10 | 20 |
| 14 | Parul v. Rathi | 04 | 06 | 10 | 20 |
| 15 | Pooja s. Mandokar | 04 | 06 | 10 | 20 |
| 16 | Prajakta d. Pawar | 04 | 06 | 10 | 20 |
| 17 | Prajakta u. Naik | 04 | 06 | 10 | 20 |
| 18 | Priyanka d. Mahatme | 04 | 06 | 10 | 20 |
| 19 | Radha k. Supalkar | 04 | 06 | 10 | 20 |
| 20 | Rashmita m. Bodalkar | 04 | 06 | 10 | 20 |
| 21 | Saloni m. Hendave | 04 | 06 | 10 | 20 |
| 22 | Saurav m. Dhote | 04 | 06 | 10 | 20 |
| 23 | Siddhi v. Raut | 00 | 00 | 10 | 10 |
| 24 | Summaya firdous m. Kaisar | 04 | 06 | 10 | 20 |
| 25 | Vaishnavi g. Patil | 04 | 06 | 10 | 20 |
| 26 | Vaishnavi r. Pabale | 04 | 06 | 10 | 20 |
| 27 | Yuvraj h. Soni | 04 | 06 | 10 | 20 |
| 28 | Aditya a. Shelokar | 04 | 06 | 10 | 20 |
| 29 | Akshay p. Kombe | 04 | 06 | 10 | 20 |
| 30 | Damini k. Chaudhari | 04 | 06 | 10 | 20 |
| 31 | Diksha s. Chikram | 04 | 06 | 10 | 20 |
| 32 | Dipika g. Uike | 04 | 06 | 10 | 20 |
| 33 | Harsha v. Virulkar | 04 | 06 | 10 | 20 |
| 34 | Karuna s. Madare | 04 | 06 | 10 | 20 |
| 35 | Manisha s. Padole | 04 | 06 | 10 | 20 |
| 36 | Mayuri s. Mahajan | 04 | 06 | 10 | 20 |
| 37 | Monali d. Budhlani | 04 | 06 | 10 | 20 |
| 38 | Monika m. Dive | 04 | 06 | 10 | 20 |
| 39 | Mrunal k. Bhoge | 04 | 06 | 10 | 20 |
| 40 | Nikita a. Zade | 04 | 06 | 10 | 20 |
| 41 | Poonam d. Raghorte | 04 | 06 | 10 | 20 |
| 42 | Priya s. Thakare | 04 | 06 | 10 | 20 |
| 43 | Rajkamal v. Thakre | 04 | 06 | 10 | 20 |
| 44 | Renuka r. Tale | 04 | 06 | 10 | 20 |
| 45 | Saloni v. Baghel | 04 | 06 | 10 | 20 |
| 46 | Shreyasti h. Padole | 04 | 06 | 10 | 20 |
| 47 | Snehal v. Talware | 04 | 06 | 10 | 20 |
| 48 | Suvidha n. Thakare | 04 | 06 | 10 | 20 |
| 49 | Tejaswini a. Kaikade | 04 | 06 | 10 | 20 |
| 50 | Vaishnavi d. Ingle | 04 | 06 | 10 | 20 |
| 51 | Veeral s. Chandrana | 04 | 06 | 10 | 20 |
| 52 | Praniali Zade | 04 | 06 | 10 | 20 |
| 53 | Indrayani J ichkar | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 53) | 212 | 318 | 530 | 1060 |

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 11.03.19

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya.

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

2017-18

**Notice**

**Date: 31/08/2017**

All the students of B. Sc. Part I semester –I Microbiology are hereby informed that their topic for assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for assignment and submit the assignment on or before 20th September 2017.

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Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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17-18

Sant Gadge Baba Amravati University

Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.I(Semester I)

-Class test- Max. Marks 30

Date:15.09.2017 Time:-2.55p.m--4.15 p.m.

N.B.:-1) Question No.1 is compulsory and carries six marks without any internal choice.

2) Question No.2 and Question No.3 carry equal marks with internal choice.

Que.1.(A)Fill in the blanks:- ( 2 marks)

(i) ---------- discovered bacteria.

(ii) ---------- introduced streak plate method.

(B) Choose the correct answer. (2 marks)

(i) ---------proposed germ theory of disease.

(a) Louis Pasteur (b) Robert Koch (c) Francesco Redi (d) John Needham

(ii) Medical Microbiology deals with the study and control of ----------

(a) beneficiai mos (b) pathogenic mos (c) useful mos (d) none

(C) Answer in one sentence only. (2 marks)

(i) Define Geneticengineering.

(ii) What is purpose of agar agar in nutrient media?

Que.2. (a) Give contribution of Joseph Lister in relation to antiseptic surgery.(4)

(b) Give Koch's postulates.(4)

(c) Define:-(i)Industrial Microbiology(ii) Soil Microbiology(4)

OR

(d) Explain how Robert Koch introduced Pour plate method.(4)

(e) Give contribution of Joseph Lister in relation to pure culture tech.(4)

(f) Definebiotechnology. Give names of any four products developed by this technology.(4)

Que.3. What is spontaneous generation theory. Give contribution of various scientists to disprove it. (12)

OR

What is spontaneous generation theory. Give contributions of Schulze and Schwawn, Schroeder and Von Dusch, and Louis Pasteur to disprove it. (12)

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**Sant Gadge Baba Amravati University**

**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**B.Sc.I(Semester I)**

**-Class test-** **Max. Marks 30**

**Date:15.09.2017** **Time:-2.55 p.m- 04.15 p.m.**

**-ATTENDANCE SHEET-**

**-$F_5$BATCH(ZOOLOGY)-**

| Sr.No. | Name of Student | Signature |
|---|---|---|
| 01 | AASIYA PARVEEN S. HUSAIN | Aasiya. |
| 02 | AISHWARYA S. KALE | Skale |
| 03 | ANUSHRI D. NAGPURE | Nagpure |
| 04 | APARNA D. UIKE | Aparna Uike. |
| 05 | HIMANSHU S. SHENDE | Shende |
| 06 | JAYASHREE R. YENDE | Yende |
| 07 | MAHIMA M. KORPE | Korpe |
| 08 | MAYUR O. TITARE | Titare |
| 09 | NIKITA P. JADHAO | Njadhao |
| 10 | NISHANT S. JAMBHULKAR | |
| 11 | NUTAN B. LAWANKAR | Nutan. |
| 12 | OWES R. MUGAL | Rmugal |
| 13 | PIYUSHA D. KALBANDE | Dkalbande |
| 14 | POONAM C. BHANSALI | Pbhansali |
| 15 | PRANOTI D. MADAVI | |
| 16 | PRATIKSHA G. TARPE | Tarpe. |
| 17 | RACHANA R. SHARMA | Rsharma |
| 18 | RIDDHI V. BHANDE | R.V. Bhande. |
| ~~19~~ | ~~ROSHANI A. HIWARE~~ | |
| 20 | SAGAR G. SONTAKKE | S.G. Sontakke |
| 21 | SAKSHI S. MOHOD | Smohod. |
| 22 | SAMRUDDHI V. MAHALLE | S. Mahalle. |
| 23 | VAISHNAVI R. SHETEWAR | |
| 24 | VAISHNAVI S. HIWARKAR | |
| 25 | VAISHNAVI S. CHANDAK | Vaishnavi Chandak |
| 26 | VAISHNAVI V. RANNAWARE | Rannaware. |
| 27 | ZARRIN FATEMA Z. | Zarrin |

28 Hema Jagtap #sagtap

Date :- 11/10/2017 Time:- 10.30 - 11.50 a.m.

29. Pranoti D. Madavi. Pmadavi 24/30 - 12

30. Nishant S. Jambhulkar. Njambhulkar 24/30 - 12

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**Sant Gadge Baba Amravati University**

**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**B.Sc.I(Semester I)**

**-Class test-**

**Date:15.09.2017** **Max. Marks 30**

**Time:-2.55 p.m- 04.15 p.m.**

**-ATTENDANCE SHEET-**

**-F6BATCH(BOTANY)-**

| Sr.No. | Name of Student | Signature |
|---|---|---|
| 01 | AKANSHA S. CHAUDHARI | A S Chaudhari |
| 02 | AMRUTA P. GORDE | A P Gorde |
| 03 | ASHWINI S. PATIL | Patil |
| 04 | DIPALI K. JOI | D. K. Joi. |
| 05 | HARSHADA Y. BHENDARKAR | H Y Bhendarkar |
| 06 | KAJAL R. PANPALIYA | Kajal. |
| 07 | MANASI L. RANIT | M Ranit |
| 08 | NIKITA A. SONTAKKE | N. A. Sontakke |
| 09 | NIKITA R. DOLE | N dole |
| 10 | PAPIHA P. ZELE | R Zele |
| 11 | PAYAL S. BANSOD | Bansod. |
| 12 | POOJA D. KHADSE | Khadse. |
| 13 | PRANJALI S. LUTE | P S Lute |
| 14 | PRATIKSHA R. THAKARE | P R Thakare |
| 15 | PRATIKSHA V. YESANKAR | Yesankar P V Yesankar |
| 16 | PRERANA S. KHARAPKAR | P S Kharapkar |
| 17 | SAKSHI S. THAKARE | S Thakare |
| 18 | SAMIKSHA S. THAKARE | S Thakare |
| 19 | SANAPARVIN K. SHAH | S K Shah. |
| 20 | SHIVANI S. KAWDE | S K Gawde |
| 21 | SHRADDHA S. KAMBLE | S S Kamble. |
| 22 | SNEHA S. PADOLE | S S Padole |
| 23 | SNEHAL S. SAWANT | S Sawant. |
| 24 | VAISHNAVI G. GULHANE | V G Gulhane |
| 25 | VAISHNAVI S. THAKARE | V S Thakare. |
| 26 | VINESHWARI N. ALONE | V N Alone. |
| 27 | VRUSHALI P. PINJARI | V P Pinjari |
| 28 | ROSHNI ANIL HIWARE | R A Hiware |
| 29 | SAKSHI V.BHOGE | S V Bhoge. |

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Class Test (2017-2018)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part I ( Semester–I)**
**Subject : Microbiology**
**Paper (With Title) –1S Microbiology**
**(Fundamentals of Microbilogy and Microbial Physiology)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**

**Max. Marks: 12**

| Sr. No | Name of the student | CLASS TEST/ $F_5$ BATCH (ZOOLOGY) Date:15.09.2017 | | | Int. Ass. Marks Awarded to the student |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | AASIYA PARVEEN S. HUSAIN | 30 | 28 | Pass | 12 |
| 2 | AISHWARYA S. KALE | 30 | 27 | Pass | 12 |
| 3 | ANUSHRI D. NAGPURE | 30 | 28 | Pass | 12 |
| 4 | APARNA D. UIKE | 30 | 27 | Pass | 12 |
| 5 | HIMANSHU S. SHENDE | 30 | 28 | Pass | 12 |
| 6 | JAYASHREE R. YENDE | 30 | 28 | Pass | 12 |
| 7 | MAHIMA M. KORPE | 30 | 28 | Pass | 12 |
| 8 | MAYUR O. TITARE | 30 | 28 | Pass | 12 |
| 9 | NIKITA P. JADHAO | 30 | 28 | Pass | 12 |
| 10 | NISHANT S. JAMBHULKAR | 30 | 24 | Pass | 12 |
| 11 | NUTAN B. LAWANKAR | 30 | 28 | Pass | 12 |
| 12 | OWES R. MUGAL | 30 | 28 | Pass | 12 |
| 13 | PIYUSHA D. KALBANDE | 30 | 24 | Pass | 12 |
| 14 | POONAM C. BHANSALI | 30 | 28 | Pass | 12 |
| 15 | PRANOTI D. MADAVI | 30 | 24 | Pass | 12 |
| 16 | PRATIKSHA G. TARPE | 30 | 28 | Pass | 12 |
| 17 | RACHANA R. SHARMA | 30 | 27 | Pass | 12 |
| 18 | RIDDHI V. BHANDE | 30 | 27 | Pass | 12 |
| 19 | SAGAR G. SONTAKKE | 30 | 28 | Pass | 12 |
| 20 | SAKSHI S. MOHOD | 30 | 27 | Pass | 12 |
| 21 | SAMRUDDHI V. MAHALLE | 30 | 26 | Pass | 12 |
| 22 | VAISHNAVI S. HIWARKAR | 30 | 27 | Pass | 12 |
| 23 | VAISHNAVI S. CHANDAK | 30 | 27 | Pass | 12 |
| 24 | VAISHNAVI V. RANNAWARE | 30 | 28 | Pass | 12 |
| 25 | ZARRIN FATEMA Z. | 30 | 29 | Pass | 12 |
| 26 | HEMA JAGTAP | 30 | 24 | Pass | 12 |
| | TOTAL (1 TO 26) | | | | 312 |

15-10-17
Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date :13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B Arts
& Birla Comm. Mahavidyalaya
Dhamangaon (Rly)

Signature of H. O. D.
**Head**
**Department of Microbiology**
**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

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Sant Gadge Baba Amravati University, Amravati
Record of Class Test (2017-2018)

Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part I ( Semester–I)
Subject : Microbiology
Paper (With Title) –1S Microbiology
(Fundamentals of Microbiology and Microbial Physiology)

Name of Teacher : Dr. G. N. Budhlani
Designation : Associate Professor
Max. Marks: 12

| Sr. No | Name of the student | CLASS TEST/ $F_5$ BATCH (BOTANY) Date:15.09.2017 | | | Int. Ass. Marks Awarded to the student |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | AKANSHA S. CHAUDHARI | 30 | 28 | Pass | 12 |
| 2 | AMRUTA P. GORDE | 30 | 28 | Pass | 12 |
| 3 | ASHWINI S. PATIL | 30 | 27 | Pass | 12 |
| 4 | DIPALI K. JOI | 30 | 27 | Pass | 12 |
| 5 | HARSHADA Y. BHENDARKAR | 30 | 29 | Pass | 12 |
| 6 | KAJAL R. PANPALIYA | 30 | 28 | Pass | 12 |
| 7 | MANASI L. RANIT | 30 | 28 | Pass | 12 |
| 8 | NIKITA A. SONTAKKE | 30 | 28 | Pass | 12 |
| 9 | NIKITA R. DOLE | 30 | 28 | Pass | 12 |
| 10 | PAPIHA P. ZELE | 30 | 27 | Pass | 12 |
| 11 | PAYAL S. BANSOD | 30 | 28 | Pass | 12 |
| 12 | POOJA D. KHADSE | 30 | 27 | Pass | 12 |
| 13 | PRANJALI S. LUTE | 30 | 28 | Pass | 12 |
| 14 | PRATIKSHA R. THAKARE | 30 | 28 | Pass | 12 |
| 15 | PRATIKSHA V. YESANKAR | 30 | 25 | Pass | 12 |
| 16 | PRERANA S. KHARAPKAR | 30 | 27 | Pass | 12 |
| 17 | SAKSHI S. THAKARE | 30 | 27 | Pass | 12 |
| 18 | SAMIKSHA S. THAKARE | 30 | 28 | Pass | 12 |
| 19 | SANAPARVIN K. SHAH | 30 | 28 | Pass | 12 |
| 20 | SHIVANI S. KAWDE | 30 | 28 | Pass | 12 |
| 21 | SHRADDHA S. KAMBLE | 30 | 28 | Pass | 12 |
| 22 | SNEHA S. PADOLE | 30 | 28 | Pass | 12 |
| 23 | SNEHAL S. SAWANT | 30 | 18 | Pass | 10 |
| 24 | VAISHNAVI G. GULHANE | 30 | 28 | Pass | 12 |
| 25 | VAISHNAVI S. THAKARE | 30 | 18 | Pass | 10 |
| 26 | VINESHWARI N. ALONE | 30 | 24 | Pass | 12 |
| 27 | VRUSHALI P. PINJARI | 30 | 28 | Pass | 12 |
| 28 | ROSHNI ANIL HIWARE | 30 | 28 | Pass | 12 |
| 29 | SAKSHI V.BHOGE | 30 | 28 | Pass | 12 |
| | TOTAL (1 TO 29) | | | | 344 |

13.10.17

Name and Signature of Teacher
(Dr. G. N. Budhlani)
Date : 13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Internal Assessment Marks of Assignment/Project Assignment 2017-2018**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part I ( Semester–I)**
**Subject : Microbiology**
**Paper (With Title) –1S Microbiology**
**(Fundamentals of Microbiology and Microbial Physiology)**
**Name of Teacher : Dr. V. A. Kamble** **Designation : Professor**

**Max. Marks: 08**

| S. NO. | Name of the student | Project Assignment/ $F_5$ BATCH (ZOOLOGY) | | Marks awarded out of 8 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | AASIYA PARVEEN S. HUSAIN | 31.08.2017 | 20.09.2017 | 08 |
| 2 | AISHWARYA S. KALE | 31.08.2017 | 20.09.2017 | 08 |
| 3 | ANUSHRI D. NAGPURE | 31.08.2017 | 20.09.2017 | 08 |
| 4 | APARNA D. UIKE | 31.08.2017 | 20.09.2017 | 08 |
| 5 | HIMANSHU S. SHENDE | 31.08.2017 | 20.09.2017 | 08 |
| 6 | JAYASHREE R. YENDE | 31.08.2017 | 20.09.2017 | 08 |
| 7 | MAHIMA M. KORPE | 31.08.2017 | 20.09.2017 | 08 |
| 8 | MAYUR O. TITARE | 31.08.2017 | 20.09.2017 | 08 |
| 9 | NIKITA P. JADHAO | 31.08.2017 | 20.09.2017 | 08 |
| 10 | NISHANT S. JAMBHULKAR | 31.08.2017 | 20.09.2017 | 08 |
| 11 | NUTAN B. LAWANKAR | 31.08.2017 | 20.09.2017 | 08 |
| 12 | OWES R. MUGAL | 31.08.2017 | 20.09.2017 | 08 |
| 13 | PIYUSHA D. KALBANDE | 31.08.2017 | 20.09.2017 | 08 |
| 14 | POONAM C. BHANSALI | 31.08.2017 | 20.09.2017 | 08 |
| 15 | PRANOTI D. MADAVI | 31.08.2017 | 20.09.2017 | 08 |
| 16 | PRATIKSHA G. TARPE | 31.08.2017 | 20.09.2017 | 08 |
| 17 | RACHANA R. SHARMA | 31.08.2017 | 20.09.2017 | 08 |
| 18 | RIDDHI V. BHANDE | 31.08.2017 | 20.09.2017 | 08 |
| 19 | SAGAR G. SONTAKKE | 31.08.2017 | 20.09.2017 | 08 |
| 20 | SAKSHI S. MOHOD | 31.08.2017 | 20.09.2017 | 08 |
| 21 | SAMRUDDHI V. MAHALLE | 31.08.2017 | 20.09.2017 | 08 |
| 22 | VAISHNAVI S. HIWARKAR | 31.08.2017 | 20.09.2017 | 08 |
| 23 | VAISHNAVI S. CHANDAK | 31.08.2017 | 20.09.2017 | 08 |
| 24 | VAISHNAVI V. RANNAWARE | 31.08.2017 | 20.09.2017 | 08 |
| 25 | ZARRIN FATEMA Z. | 31.08.2017 | 20.09.2017 | 08 |
| 26 | HEMA AGTAP | 31.08.2017 | 20.09.2017 | 08 |
| | | Total of (1 to 26) | | 208 |

Name and Signature of Teacher
**(Dr. V. A. Kamble)**
Date : 14.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Internal Assessment Marks of Assignment/Project Assignment 2017-2018**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part I ( Semester–I)**
**Subject : Microbiology**
**Paper (With Title) –1S Microbiology**
**(Fundamentals of Microbiology and Microbial Physiology)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**

**Max. Marks: 08**

| S. NO. | Name of the student | Project Assignment/ $F_6$ BATCH (BOTANY) | | Marks awarded out of 8 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | AKANSHA S. CHAUDHARI | 04.09.2017 | 16.09.2017 | 08 |
| 2 | AMRUTA P. GORDE | 04.09.2017 | 16.09.2017 | 08 |
| 3 | ASHWINI S. PATIL | 04.09.2017 | 16.09.2017 | 08 |
| 4 | DIPALI K. JOI | 04.09.2017 | 16.09.2017 | 08 |
| 5 | HARSHADA Y. BHENDARKAR | 04.09.2017 | 16.09.2017 | 08 |
| 6 | KAJAL R. PANPALIYA | 04.09.2017 | 16.09.2017 | 08 |
| 7 | MANASI L. RANIT | 04.09.2017 | 16.09.2017 | 08 |
| 8 | NIKITA A. SONTAKKE | 04.09.2017 | 16.09.2017 | 08 |
| 9 | NIKITA R. DOLE | 04.09.2017 | 16.09.2017 | 08 |
| 10 | PAPIHA P. ZELE | 04.09.2017 | 16.09.2017 | 08 |
| 11 | PAYAL S. BANSOD | 04.09.2017 | 16.09.2017 | 08 |
| 12 | POOJA D. KHADSE | 04.09.2017 | 16.09.2017 | 08 |
| 13 | PRANJALI S. LUTE | 04.09.2017 | 16.09.2017 | 08 |
| 14 | PRATIKSHA R. THAKARE | 04.09.2017 | 16.09.2017 | 08 |
| 15 | PRATIKSHA V. YESANKAR | 04.09.2017 | 16.09.2017 | 08 |
| 16 | PRERANA S. KHARAPKAR | 04.09.2017 | 16.09.2017 | 08 |
| 17 | SAKSHI S. THAKARE | 04.09.2017 | 16.09.2017 | 08 |
| 18 | SAMIKSHA S. THAKARE | 04.09.2017 | 16.09.2017 | 08 |
| 19 | SANAPARVIN K. SHAH | 04.09.2017 | 16.09.2017 | 08 |
| 20 | SHIVANI S. KAWDE | 04.09.2017 | 16.09.2017 | 08 |
| 21 | SHRADDHA S. KAMBLE | 04.09.2017 | 16.09.2017 | 08 |
| 22 | SNEHA S. PADOLE | 04.09.2017 | 16.09.2017 | 08 |
| 23 | SNEHAL S. SAWANT | 04.09.2017 | 16.09.2017 | 08 |
| 24 | VAISHNAVI G. GULHANE | 04.09.2017 | 16.09.2017 | 08 |
| 25 | VAISHNAVI S. THAKARE | 04.09.2017 | 16.09.2017 | 08 |
| 26 | VINESHWARI N. ALONE | 04.09.2017 | 16.09.2017 | 08 |
| 27 | VRUSHALI P. PINJARI | 04.09.2017 | 16.09.2017 | 08 |
| 28 | ROSHNI ANIL HIWARE | 04.09.2017 | 16.09.2017 | 08 |
| 29 | SAKSHI V.BHOGE | 04.09.2017 | 16.09.2017 | 08 |
| | | Total of (1 to 29) | | 232 |

Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :14.10.2017

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Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks 2017-2018
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part I ( Semester–I)
Subject : Microbiology
Paper (With Title) –1S Microbiology
(Fundamentals of Microbiology and Microbial Physiology)
Name of Teacher : Dr. G. N. Budhlani Designation : Associate Professor
Max. Marks:20

| Sr. No. | Name of the Student | Marks Obtained/ $F_5$ BATCH | | Total Max. Marks:- 20 |
|---|---|---|---|---|
| | | Assignment | Class Tests | |
| 1 | AASIYA PARVEEN S. HUSAIN | 08 | 12 | 20 |
| 2 | AISHWARYA S. KALE | 08 | 12 | 20 |
| 3 | ANUSHRI D. NAGPURE | 08 | 12 | 20 |
| 4 | APARNA D. UIKE | 08 | 12 | 20 |
| 5 | HIMANSHU S. SHENDE | 08 | 12 | 20 |
| 6 | JAYASHREE R. YENDE | 08 | 12 | 20 |
| 7 | MAHIMA M. KORPE | 08 | 12 | 20 |
| 8 | MAYUR O. TITARE | 08 | 12 | 20 |
| 9 | NIKITA P. JADHAO | 08 | 12 | 20 |
| 10 | NISHANT S. JAMBHULKAR | 08 | 12 | 20 |
| 11 | NUTAN B. LAWANKAR | 08 | 12 | 20 |
| 12 | OWES R. MUGAL | 08 | 12 | 20 |
| 13 | PIYUSHA D. KALBANDE | 08 | 12 | 20 |
| 14 | POONAM C. BHANSALI | 08 | 12 | 20 |
| 15 | PRANOTI D. MADAVI | 08 | 12 | 20 |
| 16 | PRATIKSHA G. TARPE | 08 | 12 | 20 |
| 17 | RACHANA R. SHARMA | 08 | 12 | 20 |
| 18 | RIDDHI V. BHANDE | 08 | 12 | 20 |
| 19 | SAGAR G. SONTAKKE | 08 | 12 | 20 |
| 20 | SAKSHI S. MOHOD | 08 | 12 | 20 |
| 21 | SAMRUDDHI V. MAHALLE | 08 | 12 | 20 |
| 22 | VAISHNAVI S. HIWARKAR | 08 | 12 | 20 |
| 23 | VAISHNAVI S. CHANDAK | 08 | 12 | 20 |
| 24 | VAISHNAVI V. RANNAWARE | 08 | 12 | 20 |
| 25 | ZARRIN FATEMA Z. | 08 | 12 | 20 |
| 26 | HEMA AGTAP | 08 | 12 | 20 |
| | TOTAL (1 TO 26) | 208 | 312 | 520 |

Name and Signature of Teacher
Dr. G. N. Budhlani
Date :14.10.2017

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Principal
PRINCIPAL
Adarsha Science J.B Arts
& Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks 2017-2018
Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. Part I ( Semester–I)
Subject : Microbiology
Paper (With Title) –1S Microbiology
(Fundamentals of Microbiology and Microbial Physiology)
Name of Teacher : Dr. G. N. Budhlani Designation : Associate Professor

Max. Marks:20

| Sr. No. | Name of the Student | Marks Obtained/ $F_6$ BATCH (BOTANY) | | Total Max. Marks:- 20 |
|---|---|---|---|---|
| | | Assignment | Class Tests | |
| 1 | AKANSHA S. CHAUDHARI | 08 | 12 | 20 |
| 2 | AMRUTA P. GORDE | 08 | 12 | 20 |
| 3 | ASHWINI S. PATIL | 08 | 12 | 20 |
| 4 | DIPALI K. JOI | 08 | 12 | 20 |
| 5 | HARSHADA Y. BHENDARKAR | 08 | 12 | 20 |
| 6 | KAJAL R. PANPALIYA | 08 | 12 | 20 |
| 7 | MANASI L. RANIT | 08 | 12 | 20 |
| 8 | NIKITA A. SONTAKKE | 08 | 12 | 20 |
| 9 | NIKITA R. DOLE | 08 | 12 | 20 |
| 10 | PAPIHA P. ZELE | 08 | 12 | 20 |
| 11 | PAYAL S. BANSOD | 08 | 12 | 20 |
| 12 | POOJA D. KHADSE | 08 | 12 | 20 |
| 13 | PRANJALI S. LUTE | 08 | 12 | 20 |
| 14 | PRATIKSHA R. THAKARE | 08 | 12 | 20 |
| 15 | PRATIKSHA V. YESANKAR | 08 | 12 | 20 |
| 16 | PRERANA S. KHARAPKAR | 08 | 12 | 20 |
| 17 | SAKSHI S. THAKARE | 08 | 12 | 20 |
| 18 | SAMIKSHA S. THAKARE | 08 | 12 | 20 |
| 19 | SANAPARVIN K. SHAH | 08 | 12 | 20 |
| 20 | SHIVANI S. KAWDE | 08 | 12 | 20 |
| 21 | SHRADDHA S. KAMBLE | 08 | 12 | 20 |
| 22 | SNEHA S. PADOLE | 08 | 12 | 20 |
| 23 | SNEHAL S. SAWANT | 08 | 10 | 18 |
| 24 | VAISHNAVI G. GULHANE | 08 | 12 | 20 |
| 25 | VAISHNAVI S. THAKARE | 08 | 10 | 18 |
| 26 | VINESHWARI N. ALONE | 08 | 12 | 20 |
| 27 | VRUSHALI P. PINJARI | 08 | 12 | 20 |
| 28 | ROSHNI ANIL HIWARE | 08 | 12 | 20 |
| 29 | SAKSHI V.BHOGE | 08 | 12 | 20 |
| | TOTAL (1 TO 29) | 232 | 344 | 576 |

Name and Signature of Teacher
Dr. G. N. Budhlani
Date :14.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science J.B Arts
& Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department Of Microbiology**

**Notice** **Date: 31/08/17**

All the students of **B. Sc. Part II semester –III** Microbiology are hereby informed that their **topic for seminar** (as a part of their internal assessment) has been finalized. Students are advised to note their topic.

| S.N. | Name of Student | Project Topic |
|---|---|---|
| 1 | Aafreen Jahan S. Murtuza | Modes of DNA Replication |
| 2 | Akshay D. Itiwale | Mechanism of DNA Replication |
| 3 | Akshay M. Bhoyar | Photoreactivation |
| 4 | Akshay P. Kombe | Characteristics of Genetic Code |
| 5 | Aniket J. Raut | Transcription |
| 6 | Bhaktee P. Shelotkar | Rolling circle mechanism of DNA Replication |
| 7 | Harshada S. Thakare | Discovery of Transformation |
| 8 | Harshita P. Shriwas | Base pair Substitution Mutation |
| 9 | Kartik S. Gayke | Generalized Transduction |
| 10 | Krupali V. Deshmukh | Discovery of Conjugation(Lederberg-Tatum Experiment) |
| 11 | Kunjan S. Chandure | Preparation of Pure Sample of DNA |
| 12 | Minakshi A. Harge | Modifying Enzymes Used in Genetic engineering |
| 13 | Mithila V. Jadhao | Vectors used in molecular biology |
| 14 | Nikita G. Choudhari | Southern blotting technique |
| 15 | Parul V. Rathi | Hfr formation |
| 16 | Pooja S. Mandokar | Gene Library |
| 17 | Prajakta D. Pawar | Production of Insulin(Biotechnological concept) |
| 18 | Prajakta U. Naik | Gene Therapy |
| 19 | Priyanka D. Mahatme | Mechanism Of Transformation |
| 20 | Radha K. Supalkar | Translation of protein |
| 21 | Rashmita M. Bodalkar | Dark repair of DNA |
| 22 | Saloni M. Hendave | DNA helicases |
| 23 | Saurav M. Dhote | DNA polymerase |
| 24 | Siddhi V. Raut | RNA polymerase |
| 25 | Summaya Firdous M. | Topoisomerase |
| 26 | Vaishnavi G. Patil | Agarose gel electrophoresis |
| 27 | Vaishnavi R. Pabale | Overlappining genes |
| 28 | Yuvraj H. Soni | Zinder and Lederberg experiment |
| 29 | Aditya A. Shelokar | Griffith experiment |
| 30 | Damini K. Chaudhari | Meselson – stahl experiment |
| 31 | Diksha S. Chikram | Lederberg – Tatum experiment |
| 32 | Dipika G. Uike | Experiment of Davis |
| 33 | Harsha V. Virulkar | Restriction endonucleases |
| 34 | Karuna S. Madare | DNA ligases |
| 35 | Manisha S. Padole | Plasmids as vector |
| 36 | Mayuri S. Mahajan | Cosmids as vector |
| 37 | Monali D. Budhlani | Restricted transduction |
| 38 | Monika M. Dive | Semiconservative mode of DNA replication |
| 39 | Mrunal K. Bhoge | Discovery of transformation |
| 40 | Nikita A. Zade | Physical mutagens |
| 41 | Poonam D. Raghorte | Chemical mutagens |
| 42 | Priya S. Thakare | Cloning |
| 43 | Rajkamal V. Thakre | Nitrous oxide as mutagen |
| 44 | Renuka R. Tale | Acrydine dyes as mutagen |
| 45 | Saloni V. Baghel | X-rays as mutagen |
| 46 | Shreyasti H. Padole | U. V. light as mutagen |
| 47 | Snehal V. Talware | Frame-shift mutation |
| 48 | Suvidha N. Thakare | Non-sense mutation |
| 49 | Tejaswini A. Kaikade | Silent mutations |
| 50 | Vaishnavi D. Ingle | Supercoil relaxing enzymes |
| 51 | Veeral S. Chandrana | Meselson & Stahl Experiment For Semiconservative mode of DNA replication |

(Dr. V. A.Kamble)

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**Department Of Microbiology**

**Notice** **Date: 31/08/17**

All the students of **B. Sc. Part II semester –III** Microbiology are hereby informed that their **topic for project assignment** (as a part of their internal assessment) has been finalized. Students are advised to note their project topic and submit printed project assignment on the recent development in the field given, on or before 24th September, 2017.

| S.N. | Name of Student | Project Topic |
|---|---|---|
| 1 | Aafreen Jahan S. Murtuza | Modes of DNA Replication 25\|9\|17 |
| 2 | Akshay D. Itiwale | Mechanism of DNA Replication 25\|9\|17 |
| 3 | Akshay M. Bhoyar | Photoreactivation 25\|9\|17 |
| 4 | Akshay P. Kombe | Characteristics of Genetic Code 25\|9\|17 |
| 5 | Aniket J. Raut | Transcription 25\|9\|17 |
| 6 | Bhaktee P. Shelotkar | Rolling circle mechanism of DNA Replication 25\|9\|17 |
| 7 | Harshada S. Thakare | Discovery of Transformation 25\|9\|17 |
| 8 | Harshita P. Shriwas | Base pair Substitution Mutation 25\|9\|17 |
| 9 | Kartik S. Gayke | Generalized Transduction 25\|9\|17 |
| 10 | Krupali V. Deshmukh | Discovery of Conjugation(Lederberg-Tatum Experiment) 25\|9\|17 |
| 11 | Kunjan S. Chandure | Preparation of Pure Sample of DNA 25\|9\|17 |
| 12 | Minakshi A. Harge | Modifying Enzymes Used in Genetic engineering 25\|9\|17 |
| 13 | Mithila V. Jadhao | Vectors used in molecular biology 25\|9\|17 |
| 14 | Nikita G. Choudhari | Southern blotting technique 25\|9\|17 |
| 15 | Parul V. Rathi | Hfr formation 25\|9\|17 |
| 16 | Pooja S. Mandokar | Gene Library 25\|9\|17 |
| 17 | Prajakta D. Pawar | Production of Insulin(Biotechnological concept) 25\|9\|17 |
| 18 | Prajakta U. Naik | Gene Therapy 25\|9\|17 |
| 19 | Priyanka D. Mahatme | Mechanism Of Transformation 25\|9\|17 |
| 20 | Radha K. Supalkar | Translation of protein 25\|9\|17 |
| 21 | Rashmita M. Bodalkar | Dark repair of DNA 25\|9\|17 |
| 22 | Saloni M. Hendave | DNA helicases 25\|9\|17 |
| 23 | Saurav M. Dhote | DNA polymerase 25\|9\|17 |
| 24 | Siddhi V. Raut | RNA polymerase 25\|9\|17 |
| 25 | Summaya Firdous M. | Topoisomerase 25\|9\|17 |
| 26 | Vaishnavi G. Patil | Agarose gel electrophoresis 25\|9\|17 |
| 27 | Vaishnavi R. Pabale | Overlappining genes 25\|9\|17 |
| 28 | Yuvraj H. Soni | Zinder and Lederberg experiment 25\|9\|17 |
| 29 | Aditya A. Shelokar | Griffith experiment 25\|9\|17 |
| 30 | Damini K. Chaudhari | Meselson – stahl experiment 25\|9\|17 |
| 31 | Diksha S. Chikram | Lederberg – Tatum experiment 25\|9\|17 |
| 32 | Dipika G. Uike | Experiment of Davis 25\|9\|17 |
| 33 | Harsha V. Virulkar | Restriction endonucleases 13\|10\|2017 |
| 34 | Karuna S. Madare | DNA ligases 25\|9\|17 |
| 35 | Manisha S. Padole | Plasmids as vector 25\|9\|17 |
| 36 | Mayuri S. Mahajan | Cosmids as vector 25\|9\|17 |
| 37 | Monali D. Budhlani | Restricted transduction 25\|9\|17 |
| 38 | Monika M. Dive | Semiconservative mode of DNA replication 25\|9\|17 |
| 39 | Mrunal K. Bhoge | Discovery of transformation 25\|9\|17 |
| 40 | Nikita A. Zade | Physical mutagens 25\|9\|17 |
| 41 | Poonam D. Raghorte | Chemical mutagens 25\|9\|17 |
| 42 | Priya S. Thakare | Cloning 25\|9\|17 |
| 43 | Rajkamal V. Thakre | Nitrous oxide as mutagen 25\|9\|17 |
| 44 | Renuka R. Tale | Acrydine dyes as mutagen 25\|9\|17 |
| 45 | Saloni V. Baghel | X-rays as mutagen 27\|9\|17 |
| 46 | Shreyasti H. Padole | U. V. light as mutagen 25\|9\|17 |
| 47 | Snehal V. Talware | Frame-shift mutation 25\|9\|17 |
| 48 | Suvidha N. Thakare | Non-sense mutation 25\|9\|17 |
| 49 | Tejaswini A. Kaikade | Silent mutations 28\|9\|17 |
| 50 | Vaishnavi D. Ingle | Supercoil relaxing enzymes 25\|9\|17 |
| 51 | Veeral S. Chandrana | Meselson & Stahl Experiment For Semiconservative mode of DNA replication 25\|9\|17 |

(Dr. V. A.Kamble)

Principal
Adarsha Science, J.B. Arts
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DEPARTMENT OF MICROBIOLOGY

DATE: 11/09/2017

**NOTICE**

All the students B. Sc. Part II Semester - III Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on **23rd September 2015** at 3.00 pm in Microbiology Laboratory. All Students must remain present for the test examination.

Course For Test Examination :

**Unit No. I Gene Multiplication and Expression**

**Unit No. III Genetic Recombination**

(Dr. V. A. Kamble)
Concerned Teacher

(Dr Y. B. Gandole)
Principal

PRINCIPAL
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& Birla Comm. Mahavidyalaya
Dhamangaon (Rly)

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Sant Gadge Baba Amravati University

ADARSH SCI.,J.B.ARTS & BIRLA COMM. MAHAVIDYALAYA DHAMANGAON RLY.

DEPARTMENT OF MICROBIOLOGY

B.SC.II (Semester ~~IV~~ III)

-Class test-

Max. Marks 04.30

Date: 23/09/2017

Time:- 2.45 p.m. – ~~04.30~~ 3 p.m.

-ATTENDANCE SHEET-

ZOOLOGY BATCH

| SR. | NAME OF STUDENT | SIGN |
|---|---|---|
| 1 | AAFREEN JAHAN S. MURTUZA | |
| 2 | AKSHAY D. ITIWALE | |
| 3 | AKSHAY M. BHOYAR | |
| 4 | AKSHAY P. KOMBE | |
| 5 | ANIKET J. RAUT | |
| 6 | BHAKTEE P. SHELOTKAR | - 6 - 10 - 17 |
| 7 | HARSHADA S. THAKARE | |
| 8 | HARSHITA P. SHRIWAS | |
| 9 | KARTIK S. GAYKE | |
| 10 | KRUPALI V. DESHMUKH | |
| 11 | KUNJAN S. CHANDURE | 6-10-17 |
| 12 | MINAKSHI A. HARGE | |
| 13 | MITHILA V. JADHAO | 06-10-17 |
| 14 | NIKITA G. CHOUDHARI | |
| 15 | PARUL V. RATHI | |
| 16 | POOJA S. MANDOKAR | |
| 17 | PRAJAKTA D. PAWAR | |
| 18 | PRAJAKTA U. NAIK | |
| 19 | PRIYANKA D. MAHATME | |
| 20 | RADHA K. SUPALKAR | R.K. Supalkar |
| 21 | RASHMITA M. BODALKAR | |
| 22 | SALONI M. HENDAVE | |
| 23 | SAURAV M. DHOTE | |
| 24 | SIDDHI V. RAUT | Test Given |
| 25 | SUMMAYA FIRDOUS M. | |
| 26 | VAISHNAVI G. PATIL | |
| 27 | VAISHNAVI R. PABALE | |
| 28 | YUVRAJ H. SONI | |

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ADARSH SCI.,J.B.ARTS & BIRLA COMM. MAHAVIDYALAYA DHAMANGAON RLY.

DEPARTMENT OF MICROBIOLOGY

B.SC.II (Semester ~~III~~ IV)

-Class test-

Max. Marks 04·30

Date: 23/09/2017

Time:- 2.45 p.m. – ~~04.00~~ p.m.

-ATTENDANCE SHEET-

BOTANY BATCH

| SR. | NAME OF STUDENT | SIGN |
|---|---|---|
| 1 | ADITYA A. SHELOKAR | |
| 2 | DAMINI K. CHAUDHARI | |
| 3 | DIKSHA S. CHIKRAM | |
| 4 | DIPIKA G. UIKE | |
| 5 | HARSHA V. VIRULKAR | |
| 6 | KARUNA S. MADARE | |
| 7 | MANISHA S. PADOLE | |
| 8 | MAYURI S. MAHAJAN | |
| 9 | MONALI D. BUDHLANI | |
| 10 | MONIKA M. DIVE | |
| 11 | MRUNAL K. BHOGE | |
| 12 | NIKITA A. ZADE | |
| 13 | POONAM D. RAGHORTE | P. D. Raghorte |
| 14 | PRIYA S. THAKARE | |
| 15 | RAJKAMAL V. THAKRE | |
| 16 | RENUKA R. TALE | |
| 17 | SALONI V. BAGHEL | |
| 18 | SHREYASTI H. PADOLE | |
| 19 | SNEHAL V. TALWARE | |
| 20 | SUVIDHA N. THAKARE | |
| 21 | TEJASWINI A. KAIKADE | |
| 22 | VAISHNAVI D. INGLE | |
| 23 | VEERAL S. CHANDRANA | |

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2017**

**B. Sc. Part II 3 S – Microbiology (Molecular Biology and Genetic Engineering)**

**Unit I & III**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- 2

i) Transfer of DNA from donar cell to recipient cell by bacteriophage is known as .....

ii) Transformation was first discovered in bacterium ---------- .

iii) Anticodon of amino acid present on ----------

iv) the enzyme used to join bits of DNA is ----------

(B) Choose the correct answer. 1

(i) Sexuality of (male & female cell) is determined by the presence of

a) Chromosome b) sex pili c) flagella d) cell wall

(ii) Initiation codon for protein synthesis is

a) AUG b) GCA c) TAG d) GUA

(C) Give the answer of following in ONE sentence each. 3

a) What is genetic recombination

b) Define translation

c) What is the role of topoisomerase in DNA replication

Que 2 Describe in brief experiment of Griffith, Avery, MacLeod and McCarty to prove genetic transformation (12)

OR

What is Transduction? Describe in detail mechanism of transduction . (12)

Que 3 a) Discuss any four characteristics of genetic code (4)

b) Explain in brief ligh repair mechanism (4)

c) What is translation? Explain in brief (4)

or

d) Discuss various enzymes involved in DNA replication (4)

e) What is transcription ? Describe in brief (4)

f) Explain how meselson and stahl proved semiconservative mode of DNA replication (4)

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## Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class Test Examination 2017**

**B. Sc. Part II 3 S – Microbiology (Molecular Biology and Genetic Engineering)**

**Unit I & III**

**TIME: 1.5 HRS** **MAX. MARKS – 30**

Que.1.(A) Fill in the blanks:- 2

i) Transfer of DNA from donar cell to recipient cell by bacteriophage is known as .....

ii) Transformation was first discovered in bacterium ---------- .

iii) Anticodon of amino acid present on ----------

iv) the enzyme used to join bits of DNA is ----------

(B) Choose the correct answer. 1

(i) Sexuality of (male & female cell) is determined by the presence of

a) Chromosome b) sex pili c) flagella d) cell wall

(ii) Initiation codon for protein synthesis is

a) AUG b) GCA c) TAG d) GUA

(C) Give the answer of following in ONE sentence each. 3

a) What is genetic recombination

b) Define translation

c) What is the role of topoisomerase in DNA replication

Que 2 Describe in brief experiment of Griffith, Avery, MacLeod and McCarty to prove genetic transformation (12)

OR

What is Transduction? Describe in detail mechanism of transduction . (12)

Que 3 a) Discuss any four characteristics of genetic code (4)

b) Explain in brief ligh repair mechanism (4)

c) What is translation? Explain in brief (4)

or

d) Discuss various enzymes involved in DNA replication (4)

e) What is transcription ? Describe in brief (4)

f) Explain how meselson and stahl proved semiconservative mode of DNA replication (4)


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Sant Gadge Baba Amravati University, Amravati

**Record of Internal Assessment Marks of Assignments / Project Assignment 2017-2018**

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya,Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – III)**

Subject : **Microbiology**

Paper (With Title) –3 S Microbiology (Molecular biology & genetic engineering)

Name of Teacher : **Dr. V. A. Kamble**

Designation : Professor & Head

| S N | Name of the student | Project Assignment | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | Aafreen Jahan S. Murtuza | 31.08.2017 | 25.08.2017 | 04 |
| 2 | Akshay D. Itiwale | 31.08.2017 | 25.08.2017 | 04 |
| 3 | Akshay M. Bhoyar | 31.08.2017 | 25.08.2017 | 04 |
| 4 | Aniket J. Raut | 31.08.2017 | 25.08.2017 | 04 |
| 5 | Bhaktee P. Shelotkar | 31.08.2017 | 25.08.2017 | 04 |
| 6 | Harshada S. Thakare | 31.08.2017 | 25.08.2017 | 04 |
| 7 | Harshita P. Shriwas | 31.08.2017 | 25.08.2017 | 04 |
| 8 | Kartik S. Gayke | 31.08.2017 | 25.08.2017 | 04 |
| 9 | Krupali V. Deshmukh | 31.08.2017 | 25.08.2017 | 04 |
| 10 | Kunjan S. Chandure | 31.08.2017 | 25.08.2017 | 04 |
| 11 | Minakshi A. Harge | 31.08.2017 | 25.08.2017 | 04 |
| 12 | Mithila V. Jadhao | 31.08.2017 | 25.08.2017 | 04 |
| 13 | Nikita G. Choudhari | 31.08.2017 | 25.08.2017 | 04 |
| 14 | Parul V. Rathi | 31.08.2017 | 25.08.2017 | 04 |
| 15 | Pooja S. Mandokar | 31.08.2017 | 25.08.2017 | 04 |
| 16 | Prajakta D. Pawar | 31.08.2017 | 25.08.2017 | 04 |
| 17 | Prajakta U. Naik | 31.08.2017 | 25.08.2017 | 04 |
| 18 | Priyanka D. Mahatme | 31.08.2017 | 25.08.2017 | 04 |
| 19 | Radha K. Supalkar | 31.08.2017 | 25.08.2017 | 04 |
| 20 | Rashmita M. Bodalkar | 31.08.2017 | 25.08.2017 | 04 |
| 21 | Saloni M. Hendave | 31.08.2017 | 25.08.2017 | 04 |
| 22 | Saurav M. Dhote | 31.08.2017 | 25.08.2017 | 04 |
| 23 | Siddhi V. Raut | 31.08.2017 | 25.08.2017 | 04 |
| 24 | Summaya Firdous M. Kaisar | 31.08.2017 | 25.08.2017 | 04 |
| 25 | Vaishnavi G. Patil | 31.08.2017 | 25.08.2017 | 04 |
| 26 | Vaishnavi R. Pabale | 31.08.2017 | 25.08.2017 | 04 |
| 27 | Yuvraj H. Soni | 31.08.2017 | 25.08.2017 | 04 |
| 28 | Aditya A. Shelokar | 31.08.2017 | 25.08.2017 | 04 |
| 29 | Akshay P. Kombe | 31.08.2017 | 25.08.2017 | 04 |
| 30 | Damini K. Chaudhari | 31.08.2017 | 25.08.2017 | 04 |
| 31 | Diksha S. Chikram | 31.08.2017 | 25.08.2017 | 04 |
| 32 | Dipika G. Uike | 31.08.2017 | 25.08.2017 | 04 |
| 33 | Harsha V. Virulkar | 31.08.2017 | 25.08.2017 | 04 |
| 34 | Karuna S. Madare | 31.08.2017 | 25.08.2017 | 04 |
| 35 | Manisha S. Padole | 31.08.2017 | 25.08.2017 | 04 |
| 36 | Mayuri S. Mahajan | 31.08.2017 | 25.08.2017 | 04 |
| 37 | Monali D. Budhlani | 31.08.2017 | 25.08.2017 | 04 |
| 38 | Monika M. Dive | 31.08.2017 | 25.08.2017 | 04 |
| 39 | Mrunal K. Bhoge | 31.08.2017 | 25.08.2017 | 04 |
| 40 | Nikita A. Zade | 31.08.2017 | 25.08.2017 | 04 |
| 41 | Poonam D. Raghorte | 31.08.2017 | 25.08.2017 | 04 |
| 42 | Priya S. Thakare | 31.08.2017 | 25.08.2017 | 04 |
| 43 | Rajkamal V. Thakre | 31.08.2017 | 25.08.2017 | 04 |
| 44 | Renuka R. Tale | 31.08.2017 | 25.08.2017 | 04 |
| 45 | Saloni V. Baghel | 31.08.2017 | 25.08.2017 | 04 |
| 46 | Shreyasti H. Padole | 31.08.2017 | 25.08.2017 | 04 |
| 47 | Snehal V. Talware | 31.08.2017 | 25.08.2017 | 04 |
| 48 | Suvidha N. Thakare | 31.08.2017 | 25.08.2017 | 04 |
| 49 | Tejaswini A. Kaikade | 31.08.2017 | 25.08.2017 | 04 |
| 50 | Vaishnavi D. Ingle | 31.08.2017 | 25.08.2017 | 04 |
| 51 | Veeral S. Chandrana | 31.08.2017 | 25.08.2017 | 04 |

Name and Signature of Teacher
Date : 14.10.2017

Dr. V. A. Kamble

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Adarsha Science J.B Arts
Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Class Tests (2017-2018)**

Name of the college: Adarsha Sci., J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly
**Class : B.Sc. Part II ( Semester – III)** Subject : Microbiology Paper (With Title) – 3 S Microbiology (Molecular Biology And Genetic Engineering) Name of Teacher : **Dr. V. A. Kamble** Designation : Professor

| Sr. No | Name of the student | CLASS TEST | Date:23.09.2017 | | Int. Ass. Marks Awarded to the student |
|---|---|---|---|---|---|
| | | Max. Mark | Mark Obtained | Pass/ Fail | |
| 1 | Aafreen Jahan S. Murtuza | 30 | 30 | Pass | 10 |
| 2 | Akshay D. Itiwale | 30 | 24 | Pass | 10 |
| 3 | Akshay M. Bhoyar | 30 | 28 | Pass | 10 |
| 4 | Aniket J. Raut | 30 | 27 | Pass | 10 |
| 5 | Bhaktee P. Shelotkar | 30 | 25 | Pass | 10 |
| 6 | Harshada S. Thakare | 30 | 28 | Pass | 10 |
| 7 | Harshita P. Shriwas | 30 | 24 | Pass | 10 |
| 8 | Kartik S. Gayke | 30 | 26 | Pass | 10 |
| 9 | Krupali V. Deshmukh | 30 | 28 | Pass | 10 |
| 10 | Kunjan S. Chandure | 30 | 27 | Pass | 10 |
| 11 | Minakshi A. Harge | 30 | 26 | Pass | 10 |
| 12 | Mithila V. Jadhao | 30 | 26 | Pass | 10 |
| 13 | Nikita G. Choudhari | 30 | 27 | Pass | 10 |
| 14 | Parul V. Rathi | 30 | 27 | Pass | 10 |
| 15 | Pooja S. Mandokar | 30 | 24 | Pass | 10 |
| 16 | Prajakta D. Pawar | 30 | 24 | Pass | 10 |
| 17 | Prajakta U. Naik | 30 | 24 | Pass | 10 |
| 18 | Priyanka D. Mahatme | 30 | 26 | Pass | 10 |
| 19 | Radha K. Supalkar | 30 | 29 | Pass | 10 |
| 20 | Rashmita M. Bodalkar | 30 | 27 | Pass | 10 |
| 21 | Saloni M. Hendave | 30 | 24 | Pass | 10 |
| 22 | Saurav M. Dhote | 30 | 24 | Pass | 10 |
| 23 | Siddhi V. Raut | 30 | 28 | Pass | 10 |
| 24 | Summaya Firdous M. Kaisar | 30 | 30 | Pass | 10 |
| 25 | Vaishnavi G. Patil | 30 | 30 | Pass | 10 |
| 26 | Vaishnavi R. Pabale | 30 | 30 | Pass | 10 |
| 27 | Yuvraj H. Soni | 30 | 28 | Pass | 10 |
| 28 | Aditya A. Shelokar | 30 | 25 | Pass | 10 |
| 29 | Akshay P. Kombe | 30 | 25 | Pass | 10 |
| 30 | Damini K. Chaudhari | 30 | 28 | Pass | 10 |
| 31 | Diksha S. Chikram | 30 | 24 | Pass | 10 |
| 32 | Dipika G. Uike | 30 | 24 | Pass | 10 |
| 33 | Harsha V. Virulkar | 30 | 27 | Pass | 10 |
| 34 | Karuna S. Madare | 30 | 27 | Pass | 10 |
| 35 | Manisha S. Padole | 30 | 28 | Pass | 10 |
| 36 | Mayuri S. Mahajan | 30 | 28 | Pass | 10 |
| 37 | Monali D. Budhlani | 30 | 27 | Pass | 10 |
| 38 | Monika M. Dive | 30 | 28 | Pass | 10 |
| 39 | Mrunal K. Bhoge | 30 | 24 | Pass | 10 |
| 40 | Nikita A. Zade | 30 | 28 | Pass | 10 |
| 41 | Poonam D. Raghorte | 30 | 28 | Pass | 10 |
| 42 | Priya S. Thakare | 30 | 28 | Pass | 10 |
| 43 | Rajkamal V. Thakre | 30 | 24 | Pass | 10 |
| 44 | Renuka R. Tale | 30 | 27 | Pass | 10 |
| 45 | Saloni V. Baghel | 30 | 27 | Pass | 10 |
| 46 | Shreyasti H. Padole | 30 | 24 | Pass | 10 |
| 47 | Snehal V. Talware | 30 | 27 | Pass | 10 |
| 48 | Suvidha N. Thakare | 30 | 27 | Pass | 10 |
| 49 | Tejaswini A. Kaikade | 30 | 24 | Pass | 10 |
| 50 | Vaishnavi D. Ingle | 30 | 28 | Pass | 10 |
| 51 | Veeral S. Chandrana | 30 | 27 | Pass | 10 |

Name and Signature of Teacher
Date : 14.10.2017

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& Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J.B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Seminar 2017-2018**

Name of the College: Adarsha Science Mahavidyalaya, Dhamangaon Rly.
Class : B.Sc. II (Sem- III) Paper :- Molicular biology & genetic engineering
Name of the Teacher: **Dr. V. A. Kamble** Designation: Professor

| Sr. No. | Name of the Student | Topics of the Seminar | Presented on | Marks Awarded |
|---|---|---|---|---|
| 1 | Aafreen Jahan S. Murtuza | Modes of DNA Replication | 22.09.2017 | 06 |
| 2 | Akshay D. Itiwale | Mechanism of DNA Replication | 23.09.2017 | 06 |
| 3 | Akshay M. Bhoyar | Photoreactivation | 29.09.2017 | 06 |
| 4 | Aniket J. Raut | Characteristics of Genetic Code | 29.09.2017 | 06 |
| 5 | Bhaktee P. Shelotkar | Transcription | 14.10.2017 | 06 |
| 6 | Harshada S. Thakare | Rolling circle mechanism of DNA Replication | 22.09.2017 | 06 |
| 7 | Harshita P. Shriwas | Discovery of Transformation | 23.09.2017 | 06 |
| 8 | Kartik S. Gayke | Base pair Substitution Mutation | 23.09.2017 | 06 |
| 9 | Krupali V. Deshmukh | Generalized Transduction | 23.09.2017 | 06 |
| 10 | Kunjan S. Chandure | Discovery of Conjugation(Lederberg-Tatum | 06.10.2017 | 06 |
| 11 | Minakshi A. Harge | Preparation of Pure Sample of DNA | 23.09.2017 | 06 |
| 12 | Mithila V. Jadhao | Modifying Enzymes Used in Genetic engineering | 29.09.2017 | 06 |
| 13 | Nikita G. Choudhari | Vectors used in molecular biology | 23.09.2017 | 06 |
| 14 | Parul V. Rathi | Southern blotting technique | 23.09.2017 | 06 |
| 15 | Pooja S. Mandokar | Hfr formation | 29.09.2017 | 06 |
| 16 | Prajakta D. Pawar | Gene Library | 23.09.2017 | 06 |
| 17 | Prajakta U. Naik | Production of Insulin(Biotechnological concept) | 23.09.2017 | 06 |
| 18 | Priyanka D. Mahatme | Gene Therapy | 23.09.2017 | 06 |
| 19 | Radha K. Supalkar | Mechanism Of Transformation | 23.09.2017 | 06 |
| 20 | Rashmita M. Bodalkar | Translation of protein | 23.09.2017 | 06 |
| 21 | Saloni M. Hendave | Dark repair of DNA | 23.09.2017 | 06 |
| 22 | Saurav M. Dhote | DNA helicases | 23.09.2017 | 06 |
| 23 | Siddhi V. Raut | DNA polymerase | 14.10.2017 | 06 |
| 24 | Summaya Firdous M. Kaisar | RNA polymerase | 22.09.2017 | 06 |
| 25 | Vaishnavi G. Patil | Topoisomerase | 23.09.2017 | 06 |
| 26 | Vaishnavi R. Pabale | Agarose gel electrophoresis | 22.09.2017 | 06 |
| 27 | Yuvraj H. Soni | Prepared model on t-RNA & submitted | 23.09.2017 | 06 |
| 28 | Aditya A. Shelokar | Zinder and Lederberg experiment | Not given | 00 |
| 29 | Akshay P. Kombe | Prepared model on t-RNA & submitted | 23.09.2017 | 06 |
| 30 | Damini K. Chaudhari | Meselson – stahl experiment | 29.09.2017 | 06 |
| 31 | Diksha S. Chikram | Lederberg – Tatum experiment | 29.09.2017 | 06 |
| 32 | Dipika G. Uike | Experiment of davis | 14.10.2017 | 06 |
| 33 | Harsha V. Virulkar | Restriction endonucleases | 13.10.2017 | 06 |
| 34 | Karuna S. Madare | DNA ligases | 14.10.2017 | 06 |
| 35 | Manisha S. Padole | Plasmids as vector | 23.09.2017 | 06 |
| 36 | Mayuri S. Mahajan | Cosmids as vector | 23.09.2017 | 06 |
| 37 | Monali D. Budhlani | Restricted transduction | 22.09.2017 | 06 |
| 38 | Monika M. Dive | Semiconservative mode of DNA replication | 22.09.2017 | 06 |
| 39 | Mrunal K. Bhoge | Discovery of transformation | 23.09.2017 | 06 |
| 40 | Nikita A. Zade | Physical mutagens | 22.09.2017 | 06 |
| 41 | Poonam D. Raghorte | Chemical mutagens | 23.09.2017 | 06 |
| 42 | Priya S. Thakare | Cloning | 22.09.2017 | 06 |
| 43 | Rajkamal V. Thakre | Nitrous oxide as mutagen | 22.09.2017 | 06 |
| 44 | Renuka R. Tale | Acrydine dyes as mutagen | 23.10.2017 | 06 |
| 45 | Saloni V. Baghel | X-rays as mutagen | 23.09.2017 | 06 |
| 46 | Shreyasti H. Padole | U. V. light as mutagen | 23.09.2017 | 06 |
| 47 | Snehal V. Talware | Frame-shift mutation | 14.10.2017 | 06 |
| 48 | Suvidha N. Thakare | Non-sense mutation | 23.09.2017 | 06 |
| 49 | Tejaswini A. Kaikade | Silent mutations | 23.09.2017 | 06 |
| 50 | Vaishnavi D. Ingle | Supercoil relaxing enzymes | 22.09.2017 | 06 |
| 51 | Veeral S. Chandrana | Meselson & Stahl Experiment | 23.09.2017 | 06 |

Name and Signature of Teacher
Date : 27.03.2015

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Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Consolidated Records of Internal Assignment Marks 2017-2018**

Name of the College: - Adarsha Science Mahavidyalaya, Dhamangaon Rly. Class: B.Sc II (Sem-III)

Subject:- MICROBIOLOGY Paper:- MOLICULAR BIOLOGY & GENETIC ENGINEERING

Name of the teacher:- **Dr. V. A. Kamble** Designation :- Professor

| Sr. No. | Name of the Student | Marks Obtained | | | | |
|---|---|---|---|---|---|---|
| | | Project Assignment Max. Marks:- 04 | Seminar / Group Discussion Max. Marks:- 06 | Class Tests Max. Marks:- 10 | Total Max. Marks:- 20 | |
| 1 | Aafreen Jahan S. Murtuza | 04 | 06 | 10 | 20 | 23470 |
| 2 | Akshay D. Itiwale | 04 | 06 | 10 | 20 | 23442 |
| 3 | Akshay M. Bhoyar | 04 | 06 | 10 | 20 | 23443 |
| 4 | Aniket J. Raut | 04 | 06 | 10 | 20 | 23446 |
| 5 | Bhaktee P. Shelotkar | 04 | 06 | 10 | 20 | 23456 |
| 6 | Harshada S. Thakare | 04 | 06 | 10 | 20 | 23464 |
| 7 | Harshita P. Shriwas | 04 | 06 | 10 | 20 | 23478 |
| 8 | Kartik S. Gayke | 04 | 06 | 10 | 20 | 23465 |
| 9 | Krupali V. Deshmukh | 04 | 06 | 10 | 20 | 23468 |
| 10 | Kunjan S. Chandure | 04 | 06 | 10 | 20 | 23480 |
| 11 | Minakshi A. Harge | 04 | 06 | 10 | 20 | 23529 |
| 12 | Mithila V. Jadhao | 04 | 06 | 10 | 20 | 23530 |
| 13 | Nikita G. Choudhari | 04 | 06 | 10 | 20 | 23536 |
| 14 | Parul V. Rathi | 04 | 06 | 10 | 20 | 23540 |
| 15 | Pooja S. Mandokar | 04 | 06 | 10 | 20 | 23546 |
| 16 | Prajakta D. Pawar | 04 | 06 | 10 | 20 | 23547 |
| 17 | Prajakta U. Naik | 04 | 06 | 10 | 20 | 23428 |
| 18 | Priyanka D. Mahatme | 04 | 06 | 10 | 20 | 23429 |
| 19 | Radha K. Supalkar | 04 | 06 | 10 | 20 | 23499 |
| 20 | Rashmita M. Bodalkar | 04 | 06 | 10 | 20 | 23502 |
| 21 | Saloni M. Hendave | 04 | 06 | 10 | 20 | 23430 |
| 22 | Saurav M. Dhote | 04 | 06 | 10 | 20 | 23564 |
| 23 | Siddhi V. Raut | 04 | 06 | 10 | 20 | 23513 |
| 24 | Summaya Firdous M. Kaisar | 04 | 06 | 10 | 20 | 23515 |
| 25 | Vaishnavi G. Patil | 04 | 06 | 10 | 20 | 23574 |
| 26 | Vaishnavi R. Pabale | 04 | 06 | 10 | 20 | 23573 |
| 27 | Yuvraj H. Soni | 04 | 06 | 10 | 20 | 23582 |
| 28 | Aditya A. Shelokar | 04 | 00 | 10 | 14 | 23437 |
| 29 | Akshay P. Kombe | 04 | 06 | 10 | 20 | 23424 |
| 30 | Damini K. Chaudhari | 04 | 06 | 10 | 20 | 23434 |
| 31 | Diksha S. Chikram | 04 | 06 | 10 | 20 | 23462 |
| 32 | Dipika G. Uike | 04 | 06 | 10 | 20 | 23425 |
| 33 | Harsha V. Virulkar | 04 | 06 | 10 | 20 | 23477 |
| 34 | Karuna S. Madare | 04 | 06 | 10 | 20 | 23427 |
| 35 | Manisha S. Padole | 04 | 06 | 10 | 20 | 23525 |
| 36 | Mayuri S. Mahajan | 04 | 06 | 10 | 20 | 23482 |
| 37 | Monali D. Budhlani | 04 | 06 | 10 | 20 | 23531 |
| 38 | Monika M. Dive | 04 | 06 | 10 | 20 | 23484 |
| 39 | Mrunal K. Bhoge | 04 | 06 | 10 | 20 | 23533 |
| 40 | Nikita A. Zade | 04 | 06 | 10 | 20 | 23486 |
| 41 | Poonam D. Raghorte | 04 | 06 | 10 | 20 | 23490 |
| 42 | Priya S. Thakare | 04 | 06 | 10 | 20 | 23553 |
| 43 | Rajkamal V. Thakre | 04 | 06 | 10 | 20 | 23501 |
| 44 | Renuka R. Tale | 04 | 06 | 10 | 20 | 23431 |
| 45 | Saloni V. Baghel | 04 | 06 | 10 | 20 | 23560 |
| 46 | Shreyasti H. Padole | 04 | 06 | 10 | 20 | 23566 |
| 47 | Snehal V. Talware | 04 | | 10 | 20 | 23568 |
| 48 | Suvidha N. Thakare | 04 | 06 | 10 | 20 | 23516 |
| 49 | Tejaswini A. Kaikade | 04 | 06 | 10 | 20 | 23517 |
| 50 | Vaishnavi D. Ingle | 04 | 06 | 10 | 20 | 23519 |
| 51 | Veeral S. Chandrana | 04 | 06 | 10 | 20 | 23575 |

Name and Signature of Teacher

Date : 27.03.2015

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Art
& Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci. J.B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon R.

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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Microbiology**

**Notice**

**Date: 04/09/2017**

All the students of B. Sc. Part III semester –V Microbiology are hereby informed that their topic for project assignment (as a part of their internal assessment) has been finalized. Students are advised to note their topics for project assignment and submit the project assignment on or before 16/09/2017.

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# Sant Gadge Baba Amravati University

**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date: 04.09.2017**

**All the students of B.Sc.III (SemesterV) are hereby informed that their Class test (Internal assessment marks) in Microbiology will be conducted on 14th Sept.2017 at 2.00 p.m. onwards. All students must remain present for this test examination.**

| | | |
|---|---|---|
| Course | Unit No.1 | Microbial Association and Air Microbiology |
| | Unit No.4 | Assessment of Water quality and Treatment |

(Dr. G. N. Budhlani)

(Dr. Y. B. Gandole)
Principal

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Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

(ii) Name any two liquid impingement devices.

Que.2. (a) Define symbiosis. Illustrate with suitable example. (4)

(b) Explain any one solid impingement device. (4)

(c) Discuss the control of microorganisms in air by UV light. (4)

OR

(d) Define and discuss antagonism with suitable example. (4)

(e) Discuss the etiology and symptoms of any one viral air borne disease. (4)

(f) Explain the working of laminar air flow system in brief. (4)

Que.3. (a) Give ideal characteristics of E.coli as an indicator of excretal pollution. (4)

(b) Describe membrane filter technique for detection of faecal streptococci.(4)

(c) Give ICMR standards for treated water. (4)

OR

(d) Describe presumptive test for detection coliforms in water. (4)

(e) Differentiate between faecal and nonfaecal coliforms. (4)

(f) Explain MPN of coliforms. (4)

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Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.III (Semester V)

-Class test-

Max. Marks 30

Date: 14.09.2017

Time: 2.00 p.m.-3.30 p.m.

N.B.:-1) Question No.1 is compulsory and carries six marks without any internal choice.

2) Question No.2 and Question No.3 carry equal marks with internal choice.

Que.1. (A) Fill in the blanks:- ( 2 marks)

(i) ---------- is a faecal type of coliform organism.

(ii) Andersen air sampler is an example ----------impingement device.

(B) Choose the correct answer. (2 marks)

(i) Long form of WHO is ---------.

(a) White health Organ (b)World Health Organization (c)Wild health organ

(d) World hygiene Organization

(ii) β-Propiolactone is a ----------type of chemosterilizer.

(a) liquid (b) gasous (c) solid (d) simple

(C) Answer in one sentence. (2 marks)

(i) Define coliforms.

(ii) Name any two liquid impingement devices.

Que.2. (a) Define symbiosis. Illustrate with suitable example. (4)

(b) Explain any one solid impingement device. (4)

(c) Discuss the control of microorganisms in air by UV light. (4)

OR

(d) Define and discuss antagonism with suitable example. (4)

(e) Discuss the etiology and symptoms of any one viral air borne disease. (4)

(f) Explain the working of laminar air flow system in brief. (4)

Que.3. (a) Give ideal characteristics of E.coli as an indicator of excretal pollution. (4)

(b) Describe membrane filter technique for detection of faecal streptococci.(4)

(c) Give ICMR standards for treated water. (4)

OR

(d) Describe presumptive test for detection coliforms in water. (4)

(e) Differentiate between faecal and nonfaecal coliforms. (4)

(f) Explain MPN of coliforms. (4)

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Sant Gadge Baba Amravati University
Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly
Department of Microbiology
B.Sc.III(SemesterV)
-Class test-

Date: 14.09.2017

Max. Marks 30
Time:-2.00 p.m- 03.30 p.m.

T5 ZOOLOGY BATCH

## -ATTENDANCE SHEET-

| Sr.No. | Name of Student | Signature |
|---|---|---|
| 01 | BHAUTIKA V. ZATALE | Bzatale |
| 02 | AISHWARYA R. MARVE | Amarve |
| 03 | ANAM SHADAB MOHD ASAD | |
| 04 | APURVA S. CHOUHAN | Achauhan |
| 05 | BHAIRAVI L. GANDHI | Bldhi |
| 06 | KAJAL R. TUPSUNDARE | Rtupsundare |
| 07 | MINHAJ BANO MOHAMMAD | Minhaj Bano |
| 08 | NILIMA P. WAGHE | NPwaghe |
| 09 | POONAM K. DAKHARE | Pakhare |
| 10 | PRANALI Y. GODE | Pgode |
| 11 | PRATEEK S. MANOHAR | Spratik |
| 12 | PRATIKSHA B. KHONDE | P.B. Khonde |
| 13 | PRITI S. MAHURE | Pmahure |
| 14 | PRIYA S. KHOPE | Pkhope |
| 15 | RASIKA P. CHAKVE | RPchakve |
| 16 | RAVINA D. JAULKAR | RJaulkar |
| 17 | ROSHAN V. BANSOD | RV. Bansod |
| 18 | ROSHNI V. LOKHANDE | Rlokhande |
| 19 | SHREYA R. DESHPANDE | Rdshpande |
| 20 | SURAJ B. RONGHE | S.B. Ronghe |
| 21 | UDAY R. TITARE | |
| 22 | VAISHALI M. DHANDE | Vmdhande |
| 23 | VAISHNAVI G. HATWAR | Vghatware |
| 24 | VAISHNAVI G. GUPTA | Vgupta |
| 25 | VRUSHALI P. KOSARKAR | VPK |
| 26 | SAMIKSHA MASRAM | |

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Sant Gadge Baba Amravati University
Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly
Department of Microbiology
B.Sc.III(SemesterV)
-Class test-

Date: 14.09.2017

Max. Marks 30
Time:-2.00 p.m- 03.30 p.m.

-T5 BOTANY BATCH-

## -ATTENDANCE SHEET-

| Sr.No. | Name of Student | Signature |
|---|---|---|
| 01 | AARTI M. SHENDRE | |
| 02 | ANJALI M. BAWANGADE | |
| 03 | HARSHALI G. KAWALE | |
| 04 | KANCHAN R. ZADE | |
| 05 | KOMAL R. BANSOD | |
| 06 | MAYURI R. GOPAL | |
| 07 | MEGHA R. KSHIRSAGAR | |
| 08 | NIKITA A. MOHOKAR | |
| 09 | NIKITA M. SUNE | |
| 10 | NUTAN P. INGOLE | |
| 11 | PALLAVI V. HANDE | |
| 12 | POOJA P. ISAD | |
| 13 | PRAJAKTA S. BHERDE | |
| 14 | PRATIKSHA R. HIMANE | |
| 15 | PRATIKSHA R. TAJNE | |
| 16 | RAHIN S. SHABBIR | |
| 17 | RENUKA M. KOHALE | |
| 18 | ROSHAN R. HANDE | |
| 19 | SAGAR R. SAWAI | |
| 20 | SHUBHANGI P. UIKE | |
| 21 | SUPRIYA V. DURGE | |
| 22 | TRUPTI A. KAPALE | |
| 23 | VAIBHAVI V. GULHANE | |
| 24 | VAISHNAVI S. DUBE | |
| 25 | VIJAY P. THAKARE | |
| 26 | SHITAL V. MANKAR | |

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Class Test (2017-2018)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester–V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**

| Sr. No | Name of the student | CLASS TEST/ $T_5$ BATCH (ZOOLOGY) Date:14.09.2017 | | | Int. Ass. Marks Awarded to the student |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | BHAUTIKA V. ZATALE | 30 | 27 | Pass | 10 |
| 2 | AISHWARYA R. MARVE | 30 | 26 | Pass | 10 |
| 3 | ANAM SHADAB MOHD ASAD | 30 | 29 | Pass | 10 |
| 4 | APURVA S. CHOUHAN | 30 | 24 | Pass | 10 |
| 5 | BHAIRAVI L. GANDHI | 30 | 29 | Pass | 10 |
| 6 | KAJAL R. TUPSUNDARE | 30 | 27 | Pass | 10 |
| 7 | MINHAJ BANO MOHAMMAD RAFIQUE | 30 | 27 | Pass | 10 |
| 8 | NILIMA P. WAGHE | 30 | 28 | Pass | 10 |
| 9 | POONAM K. DAKHARE | 30 | 28 | Pass | 10 |
| 10 | PRANALI Y. GODE | 30 | 27 | Pass | 10 |
| 11 | PRATEEK S. MANOHAR | 30 | 26 | Pass | 10 |
| 12 | PRATIKSHA B. KHONDE | 30 | 28 | Pass | 10 |
| 13 | PRITI S. MAHURE | 30 | 29 | Pass | 10 |
| 14 | PRIYA S. KHOPE | 30 | 26 | Pass | 10 |
| 15 | RASIKA P. CHAKVE | 30 | 28 | Pass | 10 |
| 16 | RAVINA D. JAULKAR | 30 | 27 | Pass | 10 |
| 17 | ROSHAN V. BANSOD | 30 | 26 | Pass | 10 |
| 18 | ROSHNI V. LOKHANDE | 30 | 26 | Pass | 10 |
| 19 | SHREYA R. DESHPANDE | 30 | 27 | Pass | 10 |
| 20 | SURAJ B. RONGHE | 30 | 26 | Pass | 10 |
| 21 | UDAY R. TITARE | 30 | 28 | Pass | 10 |
| 22 | VAISHALI M. DHANDE | 30 | 27 | Pass | 10 |
| 23 | VAISHNAVI G. HATWAR | 30 | 24 | Pass | 10 |
| 24 | VAISHNAVI G. GUPTA | 30 | 26 | Pass | 10 |
| 25 | VRUSHALI P. KOSARKAR | 30 | 27 | Pass | 10 |
| 26 | SAMIKSHA MASRAM | 30 | 27 | Pass | 10 |
| | TOTAL (1 TO 26) | 780 | 704 | | 260 |

13.10.17
Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date :13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Class Test (2017-2018)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester –V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**

| Sr. No | Name of the student | CLASS TEST/ $T_6$ BATCH (BOTANY) Date:14.09.2017 | | | Int. Ass. Marks Awarded to the student |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | AARTI M. SHENDRE | 30 | 26 | Pass | 10 |
| 2 | ANJALI M. BAWANGADE | 30 | 25 | Pass | 10 |
| 3 | HARSHALI G. KAWALE | 30 | 25 | Pass | 10 |
| 4 | KANCHAN R. ZADE | 30 | 27 | Pass | 10 |
| 5 | KOMAL R. BANSOD | 30 | 27 | Pass | 10 |
| 6 | MAYURI R. GOPAL | 30 | 27 | Pass | 10 |
| 7 | MEGHA R. KSHIRSAGAR | 30 | 25 | Pass | 10 |
| 8 | NIKITA A. MOHOKAR | 30 | 25 | Pass | 10 |
| 9 | NIKITA M. SUNE | 30 | 28 | Pass | 10 |
| 10 | NUTAN P. INGOLE | 30 | 28 | Pass | 10 |
| 11 | PALLAVI V. HANDE | 30 | 29 | Pass | 10 |
| 12 | POOJA P. ISAD | 30 | 27 | Pass | 10 |
| 13 | PRAJAKTA S. BHERDE | 30 | 25 | Pass | 10 |
| 14 | PRATIKSHA R. HIMANE | 30 | 28 | Pass | 10 |
| 15 | PRATIKSHA R. TAJNE | 30 | 24 | Pass | 10 |
| 16 | RAHIN S. SHABBIR | 30 | 27 | Pass | 10 |
| 17 | RENUKA M. KOHALE | 30 | 24 | Pass | 10 |
| 18 | ROSHAN R. HANDE | 30 | 26 | Pass | 10 |
| 19 | SAGAR R. SAWAI | 30 | 24 | Pass | 10 |
| 20 | SHUBHANGI P. UIKE | 30 | 26 | Pass | 10 |
| 21 | SUPRIYA V. DURGE | 30 | 28 | Pass | 10 |
| 22 | TRUPTI A. KAPALE | 30 | 26 | Pass | 10 |
| 23 | VAIBHAVI V. GULHANE | 30 | 28 | Pass | 10 |
| 24 | VAISHNAVI S. DUBE | 30 | 25 | Pass | 10 |
| 25 | VIJAY P. THAKARE | 30 | 25 | Pass | 10 |
| 26 | SHITAL V. MANKAR | 30 | 29 | Pass | 10 |
| | TOTAL (1 TO 26) | 780 | 987 | | 260 |

13.10.17
Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date : 13.10.2017

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Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Seminar / Innovative Practice 2017-2018**
**Name of the College: Adarsha Science J. B. Arts &Birla Commerce Mahavidyalaya , Dhamangaon Rly.**
**Class : B.Sc. III (Sem-V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks: 06**

| Sr. No. | Name of the Student | Topics of the Seminar / $T_3$ BATCH (ZOOLOGY) | Presented on | Marks Awarded |
|---|---|---|---|---|
| 1 | BHAUTIKA V. ZATALE | Electrophoresis | 20.09.2017 | 06 |
| 2 | AISHWARYA R. MARVE | Applications of .Electrophoresis | 27.09.2017 | 06 |
| 3 | ANAM SHADAB MOHD ASAD | Chlorine demand / Residual Chlorine | 20.09.2017 | 06 |
| 4 | APURVA S. CHOUHAN | Chromatography- | 20.09.2017 | 06 |
| 5 | BHAIRAVI L. GANDHI | Appl. of Chromatography | 27.09.2017 | 06 |
| 6 | KAJAL R. TUPSUNDARE | Spectroscopy | 20.09.2017 | 06 |
| 7 | MINHAJ BANO MOHAMMAD RAFIQUE | Appl. of Spectroscopy | 20.09.2017 | 06 |
| 8 | NILIMA P. WAGHE | Paper Chromatography | 20.09.2017 | 06 |
| 9 | POONAM K. DAKHARE | Thin layer Chromatography | 20.09.2017 | 06 |
| 10 | PRANALI Y. GODE | Indole test | 20.09.2017 | 06 |
| 11 | PRATEEK S. MANOHAR | Fecal Streptococci | 20.09.2017 | 06 |
| 12 | PRATIKSHA B. KHONDE | Isotopic tracer technique- | 20.09.2017 | 06 |
| 13 | PRITI S. MAHURE | Appl. of Isotopic tracer technique | 21.09.2017 | 06 |
| 14 | PRIYA S. KHOPE | Confirmed test for coliforms | 21.09.2017 | 06 |
| 15 | RASIKA P. CHAKVE | Completed testfor coliforms | 21.09.2017 | 06 |
| 16 | RAVINA D. JAULKAR | Advantages of membrane filter tech. | 21.09.2017 | 06 |
| 17 | ROSHAN V. BANSOD | Comparison between MPN and | 21.09.2017 | 06 |
| 18 | ROSHNI V. LOKHANDE | Bacterial indicators of excretal pollution | 21.09.2017 | 06 |
| 19 | SHREYA R. DESHPANDE | Multiple tube fermentation tech. for | 21.09.2017 | 06 |
| 20 | SURAJ B. RONGHE | Ideal characteristics of coliforms | 21.09.2017 | 06 |
| 21 | UDAY R. TITARE | Methyl test(principle) | 21.09.2017 | 06 |
| 22 | VAISHALI M. DHANDE | Voges-Proskauer test | 21.09.2017 | 06 |
| 23 | VAISHNAVI G. HATWAR | Citrate test(principle) | 21.09.2017 | 06 |
| 24 | VAISHNAVI G. GUPTA | Anaerobic Sludge digestion | 21.09.2017 | 06 |
| 25 | VRUSHALI P. KOSARKAR | Comparison between slow and R.S. filter | 21.09.2017 | 06 |
| 26 | SAMIKSHA MASRAM | Methods of Aeration in treat. of water | 21.09.2017 | 06 |
| | | | Total (1 to26) | 156 |

13.10.17
Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :13.10.2017

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& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci. J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Seminar / Innovative Practice 2017-2018**
**Name of the College: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya , Dhamangaon Rly.**
**Class : B.Sc. III (Sem- V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks: 06**

| Sr. No. | Name of the Student | Topics of the Seminar / $T_6$ BATCH (BOTANY) | Presented on | Marks Awarded |
|---|---|---|---|---|
| 1 | AARTI M. SHENDRE | Trickling filter | 20.09.2017 | 06 |
| 2 | ANJALI M. BAWANGADE | Activated sludge process | 20.09.2017 | 06 |
| 3 | HARSHALI G. KAWALE | Oxidation pond | 06.10.2017 | 06 |
| 4 | KANCHAN R. ZADE | BOD | 20.09.2017 | 06 |
| 5 | KOMAL R. BANSOD | Rapid sand filter | 27.09.2017 | 06 |
| 6 | MAYURI R. GOPAL | Outline of biogas production | 27.09.2017 | 06 |
| 7 | MEGHA R. KSHIRSAGAR | Septic tank | 27.09.2017 | 06 |
| 8 | NIKITA A. MOHOKAR | Imhoff tank | 06.10.2017 | 06 |
| 9 | NIKITA M. SUNE | Aims of sewage treatment process | 20.09.2017 | 06 |
| 10 | NUTAN P. INGOLE | Chemical agents and other agents | 20.09.2017 | 06 |
| 11 | PALLAVI V. HANDE | Slow sand filter | 20.09.2017 | 06 |
| 12 | POOJA P. ISAD | Super chlorination | 27.09.2017 | 06 |
| 13 | PRAJAKTA S. BHERDE | Ammonia chlorine treatment | 20.09.2017 | 06 |
| 14 | PRATIKSHA R. HIMANE | Break point chlorination | 21.09.2017 | 06 |
| 15 | PRATIKSHA R. TAJNE | MPN | 27.09.2017 | 06 |
| 16 | RAHIN S. SHABBIR | Presumptive test for coliforms | 21.09.2017 | 06 |
| 17 | RENUKA M. KOHALE | Coagulation and flocculation | 21.09.2017 | 06 |
| 18 | ROSHAN R. HANDE | Diff.betweenfaecal and non faecal coliforms | 21.09.2017 | 06 |
| 19 | SAGAR R. SAWAI | Anaerobic sludge digestion | 21.09.2017 | 06 |
| 20 | SHUBHANGI P. UIKE | Indicators of faecal pollution | 21.09.2017 | 06 |
| 21 | SUPRIYA V. DURGE | Plain chlorination | 21.09.2017 | 06 |
| 22 | TRUPTI A. KAPALE | Rapid sand filter | 21.09.2017 | 06 |
| 23 | VAIBHAVI V. GULHANE | ICMR standards of drinking water | 21.09.2017 | 06 |
| 24 | VAISHNAVI S. DUBE | COD | 21.09.2017 | 06 |
| 25 | VIJAY P. THAKARE | WHO standards of drinking water | 21.09.2017 | 06 |
| 26 | SHITAL V. MANKAR | Multiple tube fermentation tech (faecal streptococci) | 21.09.2017 | 06 |
| | | | Total (1 to26) | 156 |

13.10.17
Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci. J.B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Internal Assessment Marks of Assignments/Project Assignment 2017-2018**
**Name of the College: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. III (Sem-V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks: 04**

| S. NO. | Name of the student | Project Assignment/ $T_5$ BATCH (ZOOLOGY) | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | BHAUTIKA V. ZATALE | 04.09.2017 | 16.09.2017 | 04 |
| 2 | AISHWARYA R. MARVE | 04.09.2017 | 16.09.2017 | 04 |
| 3 | ANAM SHADAB MOHD ASAD | 04.09.2017 | 16.09.2017 | 04 |
| 4 | APURVA S. CHOUHAN | 04.09.2017 | 16.09.2017 | 04 |
| 5 | BHAIRAVI L. GANDHI | 04.09.2017 | 16.09.2017 | 04 |
| 6 | KAJAL R. TUPSUNDARE | 04.09.2017 | 16.09.2017 | 04 |
| 7 | MINHAJ BANO MOHAMMAD RAFIQUE | 04.09.2017 | 16.09.2017 | 04 |
| 8 | NILIMA P. WAGHE | 04.09.2017 | 16.09.2017 | 04 |
| 9 | POONAM K. DAKHARE | 04.09.2017 | 16.09.2017 | 04 |
| 10 | PRANALI Y. GODE | 04.09.2017 | 16.09.2017 | 04 |
| 11 | PRATEEK S. MANOHAR | 04.09.2017 | 16.09.2017 | 04 |
| 12 | PRATIKSHA B. KHONDE | 04.09.2017 | 16.09.2017 | 04 |
| 13 | PRITI S. MAHURE | 04.09.2017 | 16.09.2017 | 04 |
| 14 | PRIYA S. KHOPE | 04.09.2017 | 16.09.2017 | 04 |
| 15 | RASIKA P. CHAKVE | 04.09.2017 | 16.09.2017 | 04 |
| 16 | RAVINA D. JAULKAR | 04.09.2017 | 16.09.2017 | 04 |
| 17 | ROSHAN V. BANSOD | 04.09.2017 | 16.09.2017 | 04 |
| 18 | ROSHNI V. LOKHANDE | 04.09.2017 | 16.09.2017 | 04 |
| 19 | SHREYA R. DESHPANDE | 04.09.2017 | 16.09.2017 | 04 |
| 20 | SURAJ B. RONGHE | 04.09.2017 | 16.09.2017 | 04 |
| 21 | UDAY R. TITARE | 04.09.2017 | 16.09.2017 | 04 |
| 22 | VAISHALI M. DHANDE | 04.09.2017 | 16.09.2017 | 04 |
| 23 | VAISHNAVI G. HATWAR | 04.09.2017 | 16.09.2017 | 04 |
| 24 | VAISHNAVI G. GUPTA | 04.09.2017 | 16.09.2017 | 04 |
| 25 | VRUSHALI P. KOSARKAR | 04.09.2017 | 16.09.2017 | 04 |
| 26 | SAMIKSHA MASRAM | 04.09.2017 | 16.09.2017 | 04 |
| | | Total of (1 to 26) | | 104 |

13.10.17
Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci. J.B. Arts & Birla
Comm. Mahavidyalaya,

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Internal Assessment Marks of Assignments/Project Assignment 2017-2018**
**Name of the College: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. III (Sem- V)**
**Subject : Microbiology**
**Paper (With Title) –5 S Microbiology**
**(Environmental Microbiology and Bioinstrumentation)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks: 04**

| S. NO. | Name of the student | Project Assignment/ $T_6$ BATCH (BOTANY) | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | AARTI M. SHENDRE | 04.09.2017 | 16.09.2017 | 04 |
| 2 | ANJALI M. BAWANGADE | 04.09.2017 | 16.09.2017 | 04 |
| 3 | HARSHALI G. KAWALE | 04.09.2017 | 16.09.2017 | 04 |
| 4 | KANCHAN R. ZADE | 04.09.2017 | 16.09.2017 | 04 |
| 5 | KOMAL R. BANSOD | 04.09.2017 | 16.09.2017 | 04 |
| 6 | MAYURI R. GOPAL | 04.09.2017 | 16.09.2017 | 04 |
| 7 | MEGHA R. KSHIRSAGAR | 04.09.2017 | 16.09.2017 | 04 |
| 8 | NIKITA A. MOHOKAR | 04.09.2017 | 16.09.2017 | 04 |
| 9 | NIKITA M. SUNE | 04.09.2017 | 16.09.2017 | 04 |
| 10 | NUTAN P. INGOLE | 04.09.2017 | 16.09.2017 | 04 |
| 11 | PALLAVI V. HANDE | 04.09.2017 | 16.09.2017 | 04 |
| 12 | POOJA P. ISAD | 04.09.2017 | 16.09.2017 | 04 |
| 13 | PRAJAKTA S. BHERDE | 04.09.2017 | 16.09.2017 | 04 |
| 14 | PRATIKSHA R. HIMANE | 04.09.2017 | 16.09.2017 | 04 |
| 15 | PRATIKSHA R. TAJNE | 04.09.2017 | 16.09.2017 | 04 |
| 16 | RAHIN S. SHABBIR | 04.09.2017 | 16.09.2017 | 04 |
| 17 | RENUKA M. KOHALE | 04.09.2017 | 16.09.2017 | 04 |
| 18 | ROSHAN R. HANDE | 04.09.2017 | 16.09.2017 | 04 |
| 19 | SAGAR R. SAWAI | 04.09.2017 | 16.09.2017 | 04 |
| 20 | SHUBHANGI P. UIKE | 04.09.2017 | 16.09.2017 | 04 |
| 21 | SUPRIYA V. DURGE | 04.09.2017 | 16.09.2017 | 04 |
| 22 | TRUPTI A. KAPALE | 04.09.2017 | 16.09.2017 | 04 |
| 23 | VAIBHAVI V. GULHANE | 04.09.2017 | 16.09.2017 | 04 |
| 24 | VAISHNAVI S. DUBE | 04.09.2017 | 16.09.2017 | 04 |
| 25 | VIJAY P. THAKARE | 04.09.2017 | 16.09.2017 | 04 |
| 26 | SHITAL V. MANKAR | 04.09.2017 | 16.09.2017 | 04 |
| | | Total of (1 to 26) | | 104 |

13.10.17

Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci. J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly

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Sant Gadge Baba Amravati University, Amravati
Consolidated Records of Internal Assignment Marks 2017-2018
Name of the College: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. III (Sem- V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)
Name of the Teacher: Dr. G. N. Budhlani
Designation: Associate Professor
Max. Marks:20

| Sr. No. | Name of the Student | Marks Obtained/ T5 BATCH (ZOOLOGY) | | | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| | | Project Assignment Max. Marks:- 04 | Seminar Max. Marks:- 06 | Class Tests Max. Marks:-10 | |
| 1 | BHAUTIKA V. ZATALE 57319 | 04 | 06 | 10 | 20 |
| 2 | AISHWARYA R. MARVE 57290 | 04 | 06 | 10 | 20 |
| 3 | ANAM SHADAB MOHD ASAD 57294 | 04 | 06 | 10 | 20 |
| 4 | APURVA S. CHOUHAN 57316 | 04 | 06 | 10 | 20 |
| 5 | BHAIRAVI L. GANDHI 57318 | 04 | 06 | 10 | 20 |
| 6 | KAJAL R. TUPSUNDARE 57310 | 04 | 06 | 10 | 20 |
| 7 | MINHAJ BANO MOHAMMAD 57379 | 04 | 06 | 10 | 20 |
| 8 | NILIMA P. WAGHE 57337 | 04 | 06 | 10 | 20 |
| 9 | POONAM K. DAKHARE 57342 | 04 | 06 | 10 | 20 |
| 10 | PRANALI Y. GODE 57388 | 04 | 06 | 10 | 20 |
| 11 | PRATEEK S. MANOHAR 57389 | 04 | 06 | 10 | 20 |
| 12 | PRATIKSHA B. KHONDE 57347 | 04 | 06 | 10 | 20 |
| 13 | PRITI S. MAHURE 57350 | 04 | 06 | 10 | 20 |
| 14 | PRIYA S. KHOPE 57394 | 04 | 06 | 10 | 20 |
| 15 | RASIKA P. CHAKVE 57399 | 04 | 06 | 10 | 20 |
| 16 | RAVINA D. JAULKAR 57400 | 04 | 06 | 10 | 20 |
| 17 | ROSHAN V. BANSOD 57284 | 04 | 06 | 10 | 20 |
| 18 | ROSHNI V. LOKHANDE 57355 | 04 | 06 | 10 | 20 |
| 19 | SHREYA R. DESHPANDE 57410 | 04 | 06 | 10 | 20 |
| 20 | SURAJ B. RONGHE 57417 | 04 | 06 | 10 | 20 |
| 21 | UDAY R. TITARE 57422 | 04 | 06 | 10 | 20 |
| 22 | VAISHALI M. DHANDE 57368 | 04 | 06 | 10 | 20 |
| 23 | VAISHNAVI G. HATWAR 57371 | 04 | 06 | 10 | 20 |
| 24 | VAISHNAVI G. GUPTA 57424 | 04 | 06 | 10 | 20 |
| 25 | VRUSHALI P. KOSARKAR 57373 | 04 | 06 | 10 | 20 |
| 26 | SAMIKSHA MASRAM 57356 | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 26) | 104 | 156 | 260 | 520 |

13.10.17
Name and Signature of Teacher
Dr. G. N. Budhlani
Date :13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Comm. Mahavidyalaya,
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Records of Internal Assignment Marks 2017-2018
Name of the College: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly
Class : B.Sc. III (Sem-V)
Subject : Microbiology
Paper (With Title) –5 S Microbiology
(Environmental Microbiology and Bioinstrumentation)
Name of the Teacher: Dr. G. N. Budhlani
Designation: Associate Professor
Max. Marks:20

| Sr. No. | Name of the Student | Marks Obtained/ T6 BATCH (BOTANY) | | | Total Max. Marks - 20 |
|---|---|---|---|---|---|
| | | Project Assignment Max. Marks:- 04 | Seminar Max. Marks:- 06 | Class Tests Max. Marks-10 | |
| 1 | AARTI M. SHENDRE S7317 | 04 | 06 | 10 | 20 |
| 2 | ANJALI M. BAWANGADE S7314 | 04 | 06 | 10 | 20 |
| 3 | HARSHALI G. KAWALE S7307 | 04 | 06 | 10 | 20 |
| 4 | KANCHAN R. ZADE S7321 | 04 | 06 | 10 | 20 |
| 5 | KOMAL R. BANSOD S7326 | 04 | 06 | 10 | 20 |
| 6 | MAYURI R. GOPAL S7330 | 04 | 06 | 10 | 20 |
| 7 | MEGHA R. KSHIRSAGAR S7331 | 04 | 06 | 10 | 20 |
| 8 | NIKITA A. MOHOKAR S7334 | 04 | 06 | 10 | 20 |
| 9 | NIKITA M. SUNE S7335 | 04 | 06 | 10 | 20 |
| 10 | NUTAN P. INGOLE S7278 | 04 | 06 | 10 | 20 |
| 11 | PALLAVI V. HANDE S7340 | 04 | 06 | 10 | 20 |
| 12 | POOJA P. ISAD S7386 | 04 | 06 | 10 | 20 |
| 13 | PRAJAKTA S. BHERDE S7344 | 04 | 06 | 10 | 20 |
| 14 | PRATIKSHA R. HIMANE S7348 | 04 | 06 | 10 | 20 |
| 15 | PRATIKSHA R. TAJNE S7392 | 04 | 06 | 10 | 20 |
| 16 | RAHIN S. SHABBIR S7351 | 04 | 06 | 10 | 20 |
| 17 | RENUKA M. KOHALE S7352 | 04 | 06 | 10 | 20 |
| 18 | ROSHAN R. HANDE S7402 | 04 | 06 | 10 | 20 |
| 19 | SAGAR R. SAWAI S7406 | 04 | 06 | 10 | 20 |
| 20 | SHUBHANGI P. UIKE S7360 | 04 | 06 | 10 | 20 |
| 21 | SUPRIYA V. DURGE S7363 | 04 | 06 | 10 | 20 |
| 22 | TRUPTI A. KAPALE S7421 | 04 | 06 | 10 | 20 |
| 23 | VAIBHAVI V. GULHANE S7366 | 04 | 06 | 10 | 20 |
| 24 | VAISHNAVI S. DUBE S7370 | 04 | 06 | 10 | 20 |
| 25 | VIJAY P. THAKARE S7427 | 04 | 06 | 10 | 20 |
| 26 | SHITAL V. MANKAR S7358 | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 26) | 104 | 156 | 260 | 520 |

13.10.17
Name and Signature of Teacher
Dr. G. N. Budhlani
Date :13.10.2017

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
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## Department of Microbiology

**NOTICE** **DATE : 31/01/2018**

All the students of B. Sc. Part I Semester – II Microbiology (Zoology Batch) are hereby informed that their topics for assignment have been finalized. Students are advised to note their topic and submit the assignment on or before 09th February, 2018.

| B. SC. PART I SEMESTER – II MICROBIOLOGY (ZOOLOGY BATCH) | |
|---|---|
| Aasiya Parveen S. Husain | Describe in detail Mechanism of cell injury |
| Aishwarya S. Kale | Describe in detail Applied aspects of microorganisms in agriculture |
| Anushri D. Nagpure | Describe in detail Chemotherapeutic agents(Penicillin, Tetracycline) |
| Aparna D. Uike | Describe in detail Classification of viruses |
| Hema s. jagtap | Describe in detail Internet and its useful applications |
| Himanshu S. Shende | Describe in detail Cultivation of viruses |
| Jayashree R. Yende | Describe in detail Control of microorganisms by high temperature |
| Mahima M. Korpe | Describe in detail Control of microorganisms by radiations |
| Mayur O. Titare | Describe in detail Control of microorganisms by filtration |
| Nikita P. Jadhao | Describe in detail Control of microorganisms by halogens |
| Nishant S. Jambhulkar | Describe in detail Control of microorganisms by heavy metals |
| Nutan B. Lawankar | Describe in detail Gaseous sterilization |
| Owes R. Mugal | Describe in detail Control of microorganisms by alcohols |
| Piyusha D. Kalbande | Describe in detail Chemotherapeutic agents |
| Poonam C. Bhansali | Describe in detail Control of microorganisms by physical agents |
| Pranoti D. Madavi | Describe in detail Control of microorganisms by chemical agents |
| Pratiksha G. Tarpe | Describe in detail Components of computer system |
| Rachana R. Sharma | Describe in detail Memory concept in computer |
| Riddhi V. Bhande | Describe in detail characteristic features of Ms-word |
| Sagar G. Sontakke | Explain how e-mails are created |
| Sakshi S. Mohod | Describe in detail Graphical distribution of data |
| Samruddhi V. Mahalle | Describe in detail Measures of central tendencies |
| Vaishnavi S. Hiwarkar | Describe in detail Tabulation and classification of data |
| Vaishnavi S. Chandak | Describe in detail Control of microorganisms by low temperature |
| Vaishnavi V. Rannaware | Describe in detail elementary concept of protein structure |
| Zarrin Fatema Z. Ahmad | Describe in detail structure of DNA |

(Dr. V. A. Kamble)
Concerned Teacher

(Dr. Y. B. Gandole)
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
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**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**Notice**

**Date: 31/01/2018**

**All the students of B.Sc. part I semester II Microbiology (Botany batch) are hereby informed that their topics for assignment have been finalized. Students are advised to note their topic and submit the assignment on or before 09th February 2018.**

| Sr. No. | Name of student | Assignment topic |
|---|---|---|
| 1 | Ku. Akansha S. Chaudhari | Discuss moist and dry heat sterilization in detail |
| 2 | Ku. Amruta P. Gorde | What are vaccines? Give types and benefits of |
| 3 | Ku. Ashwini S. Patil | Describe antibiotics in details |
| 4 | Ku. Dipali K. Joi | How amino acids are classified? Discuss concept of |
| 5 | Ku. Harshada Y. Bhendarkar | Give out line of classification of lipids |
| 6 | Ku. Kajal R. Panpaliya | What is biodegradation? Explain in details |
| 7 | Ku. Manasi L. Ranit | Discus Watson and Crick model of DNA and explain |
| 8 | Ku. Nikita A. Sontakke | What is biodegradation? Discuss importance of |
| 9 | Ku. Nikita R. Dole | What are purines, pyrimidines, nucleosides and |
| 10 | Ku. Papiha P. Zele | Explain the structure of mRNA |
| 11 | Ku. Payal S. Bansod | Discuss tRNA in brief |
| 12 | Ku. Pooja D. Khadse | Give out line of classification of amino acids |
| 13 | Ku. Pranjali S. Lute | What is bioleaching? Explain |
| 14 | Ku. Pratiksha R. Thakare | Discuss ribosomal rRNA in details |
| 15 | Ku. Pratiksha V. Yesankar | Explain classification of monosaccharide with |
| 16 | Ku. Prerana S. Kharapkar | Explain different types of structures of protein |
| 17 | Ku. Roshani A. Hiware | Describe various polysaccharides that you have |
| 18 | Ku. Sakshi S. Thakare | What are bio-pesticides? Give advantages over |
| 19 | Ku. Sakshi V. Bhoge | Tabulation and classification of data |
| 20 | Ku. Samiksha S. Thakare | Explain morphology of viruses with suitable examples |
| 21 | Ku. Sanaparvin K. Shah | Describe LHT system of classification of viruses |
| 22 | Ku. Shivani S. Kawde | Discuss cultivation of viruses by tissue culture method |
| 23 | Ku. Shraddha S. Kamble | Explain lysogeny in details |
| 24 | Ku. Sneha S. Padole | Describe a different glycosidic linkages and draw |
| 25 | Ku. Snehal S. Sawant | What are biofertilizers? Give examples and |
| 26 | Ku. Vaishnavi G. Gulhane | Discuss cultivation of viruses by animal inoculation |
| 27 | Ku. Vaishnavi S. Thakare | Discuss moist and dry heat sterilization in detail |
| 28 | Ku. Vineshwari N. Alone | What are vaccines? Give types and benefits of |
| 29 | Ku. Vrushali P. Pinjari | Describe antibiotics in details |

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**Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of Microbiology**

**-Notice-**

**Date: 02.02.2018**

All the students of **B.Sc.I/SemII** are hereby informed that their **Class test (Internal assessment marks)** in **Microbiology** will be conducted **on 9th Feb.2018 at 2.55 p.m. onwards in Room No.10.** All students must remain present for this test examination.

| Course | Unit No. I | Viruses |
|---|---|---|
| | | |

(Dr. G.N.Budhlani)

(Dr.Y.B.Gandole)

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University

Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Microbiology

B.Sc.I(Semester II)

-Class test-

Date:29.02.2020 Max. Marks 30

Time:-2.55 p.m-4.00 p.m.

N.B.:-1) Question No.1 is compulsory and carries six marks without any internal choice.

2) Question No.2 and Question No.3 carry equal marks with internal choice.

Que.1.(A) Fill in the blanks:- ( 2 marks)

(i) Bacterial viruses were discovered by ----------.

(ii) The Russian botanist ---------- discovered TMV viruses.

(B) Choose the correct answer. (2 marks)

(i) Viruses contain ---------as genetic material.

(a) either DNA or RNA (b) only DNA (c) only RNA (d) protein

(ii) Viruses are obligate---------parasites.

(a) extracellular (b) intracellular (c) cellular (d) noncellular

(C) Answer in one sentence only. (2 marks)

(i) Define capsid.

(ii)Give long form of LHT

Que.2. (a) Define: i) Bacteriophage ii) Virion

(b) Describe LHT system of classification. (4)

(c) Describe helical symmetry of viruses with suitable examples. (4)

OR

(a) (i)Prophage (ii) Temperate Phage (4)

(b) Explain anyonemethodofcultivationofviruses. (4)

(c)Drawthe well labeled diagram ofT-4phage. (4)

Que.3. Describe lytic cycle of replication in detail. (12)

OR

Describe lysogeny in detail. Explain Spontaneous induction. (12)

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**Sant Gadge Baba Amravati University, Amravati**
**Consolidated Record of Internal Assessment Marks 2017-2018**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part I ( Semester–II)**
**Subject : Microbiology**
**Paper (With Title) –2S Microbiology**
**(Microbilogy,Biochemistry,Biostatistics and Computers)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**
**Max. Marks:20**

| Sr. No. | Name of the Student | Marks Obtained/ $F_5$ BATCH | | Total Max. Marks:- 20 | Roll No. |
|---|---|---|---|---|---|
| | | Assignment | Class Tests | | |
| 1 | AASIYA PARVEEN S. HUSAIN | 08 | 12 | 20 | 15608 |
| 2 | AISHWARYA S. KALE | 08 | 12 | 20 | 15610 |
| 3 | ANUSHRI D. NAGPURE | 08 | 12 | 20 | 15612 |
| 4 | APARNA D. UIKE | 08 | 12 | 20 | 15613 |
| 5 | HIMANSHU S. SHENDE | 08 | 12 | 20 | 15618 - |
| 6 | JAYASHREE R. YENDE | 08 | 12 | 20 | 15601 |
| 7 | MAHIMA M. KORPE | 00 | 00 | 00 | |
| 8 | MAYUR O. TITARE | 08 | 12 | 20 | 15659 |
| 9 | NIKITA P. JADHAO | 08 | 12 | 20 | 15667 |
| 10 | NISHANT S. JAMBHULKAR | 08 | 12 | 20 | 156669 |
| 11 | NUTAN B. LAWANKAR | 08 | 12 | 20 | 15671 |
| 12 | OWES R. MUGAL | 08 | 12 | 20 | 15672 |
| 13 | PIYUSHA D. KALBANDE | 08 | 12 | 20 | 15631 |
| 14 | POONAM C. BHANSALI | 08 | 12 | 20 | 15632 |
| 15 | PRANOTI D. MADAVI | 00 | 00 | 00 | |
| 16 | PRATIKSHA G. TARPE | 08 | 12 | 20 | 15636 |
| 17 | RACHANA R. SHARMA | 08 | 12 | 20 | 15639 |
| 18 | RIDDHI V. BHANDE | 08 | 12 | 20 | 15641 |
| 19 | SAGAR G. SONTAKKE | 08 | 12 | 20 | 15690 |
| 20 | SAKSHI S. MOHOD | 08 | 12 | 20 | 15643 |
| 21 | SAMRUDDHI V. MAHALLE | 08 | 12 | 20 | 15645 |
| 22 | VAISHNAVI S. HIWARKAR | 08 | 12 | 20 | 15709 |
| 23 | VAISHNAVI S. CHANDAK | 08 | 12 | 20 | 15654 |
| 24 | VAISHNAVI V. RANNAWARE | 08 | 12 | 20 | 15655 |
| 25 | ZARRIN FATEMA Z. | 08 | 12 | 20 | 15657 |
| 26 | HEMA JAGTAP | 08 | 12 | 20 | 15618 - |
| | TOTAL (1 TO 26) | 192 | 288 | 480 | |

Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :05.03.2018

Verified
Principal

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Consolidated Record of Internal Assessment Marks 2017-2018**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part I ( Semester–II)**
**Subject : Microbiology**
**Paper (With Title) –2S Microbiology**
**(Microbilogy,Biochemistry,Biostatistics and Computers)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**
**Max. Marks:20**

| Sr. No. | Name of the Student | Marks Obtained/ $F_6$ BATCH (BOTANY) | | Total Max. Marks:- 20 | |
|---|---|---|---|---|---|
| | | Assignment | Class Tests | | |
| 1 | AKANSHA S. CHAUDHARI | 08 | 12 | 20 | 15606 |
| 2 | AMRUTA P. GORDE | 08 | 12 | 20 | 15582 |
| 3 | ASHWINI S. PATIL | 08 | 12 | 20 | 15591 |
| 4 | DIPALI K. JOI | 08 | 12 | 20 | 15615 |
| 5 | HARSHADA Y. BHENDARKAR | 08 | 12 | 20 | 15599 |
| 6 | KAJAL R. PANPALIYA | 08 | 12 | 20 | 15603 |
| 7 | MANASI L. RANIT | 08 | 12 | 20 | 15625 |
| 8 | NIKITA A. SONTAKKE | 08 | 12 | 20 | 15666 |
| 9 | NIKITA R. DOLE | 08 | 12 | 20 | 15629 |
| 10 | PAPIHA P. ZELE | 08 | 12 | 20 | 15630 |
| 11 | PAYAL S. BANSOD | 08 | 12 | 20 | 15630 |
| 12 | POOJA D. KHADSE | 08 | 12 | 20 | 15674 |
| 13 | PRANJALI S. LUTE | 08 | 12 | 20 | 15679 |
| 14 | PRATIKSHA R. THAKARE | 08 | 12 | 20 | 15637 |
| 15 | PRATIKSHA V. YESANKAR | 08 | 12 | 20 | 15681 |
| 16 | PRERANA S. KHARAPKAR | 08 | 12 | 20 | 15682 |
| 17 | SAKSHI S. THAKARE | 08 | 12 | 20 | 15693 |
| 18 | SAMIKSHA S. THAKARE | 08 | 12 | 20 | 15697 |
| 19 | SANAPARVIN K. SHAH | 08 | 12 | 20 | 15698 |
| 20 | SHIVANI S. KAWDE | 08 | 12 | 20 | 15700 |
| 21 | SHRADDHA S. KAMBLE | 08 | 12 | 20 | 15647 |
| 22 | SNEHA S. PADOLE | 08 | 12 | 20 | 15651 |
| 23 | SNEHAL S. SAWANT | 08 | 12 | 20 | 15662 |
| 24 | VAISHNAVI G. GULHANE | 08 | 12 | 20 | 15653 |
| 25 | VAISHNAVI S. THAKARE | 08 | 12 | 20 | 15710 |
| 26 | VINESHWARI N. ALONE | 08 | 12 | 20 | 15712 |
| 27 | VRUSHALI P. PINJARI | 08 | 12 | 20 | 15714 |
| 28 | ROSHNI ANIL HIWARE | 08 | 12 | 20 | 15642 |
| 29 | SAKSHI V.BHOGE | 08 | 12 | 20 | 15695 |
| | TOTAL (1 TO 29) | 232 | 348 | 580 | |

Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :05.03.2018

Verified
Principal

Signature of H. O. D.

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department Of Microbiology**

**Notice** **Date: 23/01/18**

All the students of **B. Sc. Part II semester –IV** Microbiology are hereby informed that their **topic for project assignment** (as a part of their internal assessment) has been finalized. Students are advised to note their project topic and submit printed project assignment on the recent development in the field given, on or before 20th February, 2018.

| S.N. | Name of Student | Project Topic |
|---|---|---|
| 1 | Aafreen Jahan S. Murtuza | Widal test |
| 2 | Akshay D. Itiwale | Antigenic determinants |
| 3 | Akshay M. Bhoyar | Ig G (Immunoglobulin G) |
| 4 | Aniket J. Raut | Ig A (Immunoglobulin A) |
| 5 | Bhaktee P. Shelotkar | Ig M (Immunoglobulin M) |
| 6 | Harshada S. Thakare | RPR Test |
| 7 | Harshita P. Shriwas | ELISA test |
| 8 | Kartik S. Gayke | Precipitation Serological Reaction |
| 9 | Krupali V. Deshmukh | Agglutination Serological Reaction |
| 10 | Kunjan S. Chandure | Structure of antibody |
| 11 | Minakshi A. Harge | Monoclonal antibody |
| 12 | Mithila V. Jadhao | Factors determining antigenecity |
| 13 | Nikita G. Choudhari | Serological diagnosis of typhoid |
| 14 | Parul V. Rathi | Serological diagnosis of syphilis |
| 15 | Pooja S. Mandokar | Factors determining pathogenecity of *S. aureus* |
| 16 | Prajakta D. Pawar | Antigenic characters of *Salmonella typhi* |
| 17 | Prajakta U. Naik | Pathogenecity of *Vibrio cholerae* |
| 18 | Priyanka D. Mahatme | Prophylaxis of *Vibrio cholerae* |
| 19 | Radha K. Supalkar | Modes of disease transmission |
| 20 | Rashmita M. Bodalkar | Pathogenecity of *S. aureus* |
| 21 | Saloni M. Hendave | Types of infections |
| 22 | Saurav M. Dhote | Microbial virulence factors |
| 23 | Siddhi V. Raut | Control of communicable diseases |
| 24 | Summaya Firdous M. Kaisar | Organs of immune system |
| 25 | Vaishnavi G. Patil | Cells of immune system |
| 26 | Vaishnavi R. Pabale | Complement fixation test |
| 27 | Yuvraj H. Soni | Acquired active immunity |
| 28 | Aditya A. Shelokar | Acquired passive immunity |
| 29 | Akshay P. Kombe | Hypersensitivity |
| 30 | Damini K. Chaudhari | Pathogenic ity of *Mycobacterium tuberculosis* |
| 31 | Diksha S. Chikram | Pathogenecity of *Treponema pallidum* |
| 32 | Dipika G. Uike | *Pathogenecity of Clostridium tetani* |
| 33 | Harsha V. Virulkar | Control of AIDS |
| 34 | Karuna S. Madare | Pathogenic aspects of *Candida albicans* |
| 35 | Manisha S. Padole | Pathogenic aspects of *Entamoeba histolytica* |
| 36 | Mayuri S. Mahajan | Rabies |
| 37 | Monali D. Budhlani | Antifungal agents (mode of action & applications) |
| 38 | Monika M. Dive | Antiviral agents (mode of action & applications) |
| 39 | Mrunal K. Bhoge | Pulmonary tuberculosis (pathogenic aspects) |
| 40 | Nikita A. Zade | Tetanus (pathogenic aspects) |
| 41 | Poonam D. Raghorte | Typhoid (pathogenic aspects) |
| 42 | Priya S. Thakare | Syphilis (pathogenic aspects) |
| 43 | Rajkamal V. Thakre | Cholera (pathogenic aspects) |
| 44 | Renuka R. Tale | Hepatitis |
| 45 | Saloni V. Baghel | Polio |
| 46 | Shreyasti H. Padole | Typhus fever |
| 47 | Snehal V. Talware | Pathogenic aspects of *Entamoeba histolytica* |
| 48 | Suvidha N. Thakare | Pathogenic aspects of ***Rickettsia prowazekii*** |
| 49 | Tejaswini A. Kaikade | Antigenic characters of *Salmonella typhi* |
| 50 | Vaishnavi D. Ingle | Pathogenic aspects of *Candida albicans* |
| 51 | Veeral S. Chandrana | Humoral immunity |

(Dr. V. A.Kamble)

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**Adarsha Sci., J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

DEPARTMENT OF MICROBIOLOGY

Date: 09/02/2018

# NOTICE

All the students B. Sc. Part II Semester - 4 Microbiology are hereby informed that, as a part of Internal Assessment, their class test will be conducted on **16th February, 2018** at 3.00 pm in Microbiology Laboratory. All Students must remain present for the test examination.

Course For Test Examination : **Unit No. III Serology**

(Dr. V. A. Kamble)
Concerned Teacher

(Dr. Y. B. Gandole)
Principal

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Dhamangaon Rly.

(e) Explain in brief IgG
(f) Describe in brief ELISA.



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**Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**B.Sc.II (SEMESTER IV)**

**University Class Test Examination -2018**

**4 S - Microbiology (Medical Microbiology)**

**Time:-1.5 Hours** **Max.Marks:30**

Que.1. **(A) Fill in the blanks:-** (2)

(i) Antibodies are also known as ----------

(ii) Study of antigen & antibody reaction in vitro is called as----------.

(iii) Reaction in which soluble antigen reacts with its corresponding antibody is known as ----------.

(iv) Kahn test is used for diagnosis of ---------- disease.

**(B) Choose the correct answer.** (2)

(i) RPR (Rapid Plasma Reagin) test is used serodiagnosis of ----------

a) Typhoid b) Syphilis c) Tuberculosis d) Typhus Fever

(ii) In agglutination reaction antigen used is ----------

a) Soluble b) Particulate c) Febrile d) none of the above

(iii) Widal test is used for diagnosis of disease ---------

a) Tuberculosis b) Typhoid c) Diphtheria d) Smallpox

(iv) Blood grouping is a example of ---------- test

a) Precipitation b) Flocculation c) Agglutination d) Complement Fixation

**(C) Give the answer of following in one sentence each.** (2)

a) What are antibodies?

b) What is the chemical nature of most naturally occurring antigens?

Que.2. (a) Discuss in brief mechanism and applications of precipitation reaction (4)

(b) Explain in brief IgA (4)

(c) Define: i) Complete Antigen ii) Complement (4)

**OR**

d) Discuss in brief mechanism and applications of Agglutination reaction (4)

e) differentiate between precipitation and agglutination reaction (4)

f) Define : i) Immunoglobulin ii) Epitope (4)

Que.3. (a) Define :-i) Hapten ii) Antigen (4)

(b) Explain in brief factors determining antigenicity (4)

(c) Describe in brief structure of antibody (4)

**OR**

(d) Describe in brief complement fixation test with its applications (4)

(e) Explain in brief IgG (4)

(f) Describe in brief ELISA. (4)

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Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department Of Microbiology**

**Date: 16/02/18**

Following students were present for the class test conducted on 16th February, 2018.

Class : B.SC. PART II SEMESTER IV 4 – S MICROBIOLOGY UNIT – 3 (SEROLOGY)

| S.N. | Name of Student | Signature |
|---|---|---|
| 1 | Aafreen Jahan S. Murtuza | |
| 2 | Akshay D. Itiwale | |
| 3 | Akshay M. Bhoyar | |
| 4 | Akshay P. Kombe | |
| 5 | Aniket J. Raut | |
| 6 | Bhaktee P. Shelotkar | |
| 7 | Harshada S. Thakare | |
| 8 | Harshita P. Shriwas | |
| 9 | Kartik S. Gayke | |
| 10 | Krupali V. Deshmukh | |
| 11 | Kunjan S. Chandure | |
| 12 | Minakshi A. Harge | |
| 13 | Mithila V. Jadhao | |
| 14 | Nikita G. Choudhari | |
| 15 | Parul V. Rathi | |
| 16 | Pooja S. Mandokar | |
| 17 | Prajakta D. Pawar | |
| 18 | Prajakta U. Naik | |
| 19 | Priyanka D. Mahatme | |
| 20 | Radha K. Supalkar | |
| 21 | Rashmita M. Bodalkar | |
| 22 | Saloni M. Hendave | |
| 23 | Saurav M. Dhote | |
| 24 | Siddhi V. Raut | |
| 25 | Summaya Firdous M. | |
| 26 | Vaishnavi G. Patil | |
| 27 | Vaishnavi R. Pabale | |
| 28 | Yuvraj H. Soni | |
| 29 | Aditya A. Shelokar | |
| 30 | Damini K. Chaudhari | |
| 31 | Diksha S. Chikram | |
| 32 | Dipika G. Uike | |
| 33 | Harsha V. Virulkar | |
| 34 | Karuna S. Madare | |
| 35 | Manisha S. Padole | |
| 36 | Mayuri S. Mahajan | |
| 37 | Monali D. Budhlani | |
| 38 | Monika M. Dive | |
| 39 | Mrunal K. Bhoge | |
| 40 | Nikita A. Zade | |
| 41 | Poonam D. Raghorte | |
| 42 | Priya S. Thakare | |
| 43 | Rajkamal V. Thakre | |
| 44 | Renuka R. Tale | |
| 45 | Saloni V. Baghel | |
| 46 | Shreyasti H. Padole | |
| 47 | Snehal V. Talware | |
| 48 | Suvidha N. Thakare | |
| 49 | Tejaswini A. Kaikade | |
| 50 | Vaishnavi D. Ingle | |
| 51 | Veeral S. Chandrana | |

16/02/2018

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**Record of Internal Assessment Marks of Project Assignment** (2017-2018)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya,Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | Aafreen Jahan S. Murtuza | 23.01.2018 | 20.02.2018 | 04 |
| 2 | Akshay D. Itiwale | 23.01.2018 | 20.02.2018 | 04 |
| 3 | Akshay M. Bhoyar | 23.01.2018 | 20.02.2018 | 04 |
| 4 | Akshay P. Kombe | 23.01.2018 | 20.02.2018 | 04 |
| 5 | Aniket J. Raut | 23.01.2018 | 20.02.2018 | 04 |
| 6 | Bhaktee P. Shelotkar | 23.01.2018 | 20.02.2018 | 04 |
| 7 | Harshada S. Thakare | 23.01.2018 | 20.02.2018 | 04 |
| 8 | Harshita P. Shriwas | 23.01.2018 | 20.02.2018 | 04 |
| 9 | Kartik S. Gayke | 23.01.2018 | 20.02.2018 | 04 |
| 10 | Krupali V. Deshmukh | 23.01.2018 | 20.02.2018 | 04 |
| 11 | Kunjan S. Chandure | 23.01.2018 | 20.02.2018 | 04 |
| 12 | Minakshi A. Harge | 23.01.2018 | 20.02.2018 | 04 |
| 13 | Mithila V. Jadhao | 23.01.2018 | 20.02.2018 | 04 |
| 14 | Nikita G. Choudhari | 23.01.2018 | 20.02.2018 | 04 |
| 15 | Parul V. Rathi | 23.01.2018 | 20.02.2018 | 04 |
| 16 | Pooja S. Mandokar | 23.01.2018 | 20.02.2018 | 04 |
| 17 | Prajakta D. Pawar | 23.01.2018 | 20.02.2018 | 04 |
| 18 | Prajakta U. Naik | 23.01.2018 | 20.02.2018 | 04 |
| 19 | Priyanka D. Mahatme | 23.01.2018 | 20.02.2018 | 04 |
| 20 | Radha K. Supalkar | 23.01.2018 | 20.02.2018 | 04 |
| 21 | Rashmita M. Bodalkar | 23.01.2018 | 20.02.2018 | 04 |
| 22 | Saloni M. Hendave | 23.01.2018 | 20.02.2018 | 04 |
| 23 | Saurav M. Dhote | 23.01.2018 | 20.02.2018 | 04 |
| 24 | Siddhi V. Raut | 23.01.2018 | 20.02.2018 | 04 |
| 25 | Summaya Firdous M. | 23.01.2018 | 20.02.2018 | 04 |
| 26 | Vaishnavi G. Patil | 23.01.2018 | 20.02.2018 | 04 |
| 27 | Vaishnavi R. Pabale | 23.01.2018 | 20.02.2018 | 04 |
| 28 | Yuvraj H. Soni | 23.01.2018 | 20.02.2018 | 04 |
| 29 | Aditya A. Shelokar | 23.01.2018 | 20.02.2018 | 04 |
| 30 | Damini K. Chaudhari | 23.01.2018 | 20.02.2018 | 04 |
| 31 | Diksha S. Chikram | 23.01.2018 | 20.02.2018 | 04 |
| 32 | Dipika G. Uike | 23.01.2018 | 20.02.2018 | 04 |
| 33 | Harsha V. Virulkar | 23.01.2018 | 20.02.2018 | 04 |
| 34 | Karuna S. Madare | 23.01.2018 | 20.02.2018 | 04 |
| 35 | Manisha S. Padole | 23.01.2018 | 20.02.2018 | 04 |
| 36 | Mayuri S. Mahajan | 23.01.2018 | 20.02.2018 | 04 |
| 37 | Monali D. Budhlani | 23.01.2018 | 20.02.2018 | 04 |
| 38 | Monika M. Dive | 23.01.2018 | 20.02.2018 | 04 |
| 39 | Mrunal K. Bhoge | 23.01.2018 | 20.02.2018 | 04 |
| 40 | Nikita A. Zade | 23.01.2018 | 20.02.2018 | 04 |
| 41 | Poonam D. Raghorte | 23.01.2018 | 20.02.2018 | 04 |
| 42 | Priya S. Thakare | 23.01.2018 | 20.02.2018 | 04 |
| 43 | Rajkamal V. Thakre | 23.01.2018 | 20.02.2018 | 04 |
| 44 | Renuka R. Tale | 23.01.2018 | 20.02.2018 | 04 |
| 45 | Saloni V. Baghel | 23.01.2018 | 20.02.2018 | 04 |
| 46 | Shreyasti H. Padole | 23.01.2018 | 20.02.2018 | 04 |
| 47 | Snehal V. Talware | 23.01.2018 | 20.02.2018 | 04 |
| 48 | Suvidha N. Thakare | 23.01.2018 | 20.02.2018 | 04 |
| 49 | Tejaswini A. Kaikade | 23.01.2018 | 20.02.2018 | 04 |
| 50 | Vaishnavi D. Ingle | 23.01.2018 | 20.02.2018 | 04 |
| 51 | Veeral S. Chandrana | 23.01.2018 | 20.02.2018 | 04 |
| | TOTAL (1 TO 51) | | | **204** |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya
Dhamangaon Rly.

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**Record of Record of Class Tests** (2017-2018)

Name of the college: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly

Class : B.Sc. Part II ( Semester – IV) Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Class Test Date: 16.02.2018 | | | Int. Ass. Marks Awarded |
|---|---|---|---|---|---|
| | | Max. Mark | Mark Obtained | Pass/ Fail | |
| 1 | Aafreen Jahan S. Murtuza | 30 | 27 | Pass | 10 |
| 2 | Akshay D. Itiwale | 30 | 24 | Pass | 10 |
| 3 | Akshay M. Bhoyar | 30 | 27 | Pass | 10 |
| 4 | Akshay P. Kombe | 30 | 24 | Pass | 10 |
| 5 | Aniket J. Raut | 30 | 24 | Pass | 10 |
| 6 | Bhaktee P. Shelotkar | 30 | 24 | Pass | 10 |
| 7 | Harshada S. Thakare | 30 | 27 | Pass | 10 |
| 8 | Harshita P. Shriwas | 30 | 25 | Pass | 10 |
| 9 | Kartik S. Gayke | 30 | 24 | Pass | 10 |
| 10 | Krupali V. Deshmukh | 30 | 26 | Pass | 10 |
| 11 | Kunjan S. Chandure | 30 | 24 | Pass | 10 |
| 12 | Minakshi A. Harge | 30 | 25 | Pass | 10 |
| 13 | Mithila V. Jadhao | 30 | 26 | Pass | 10 |
| 14 | Nikita G. Choudhari | 30 | 25 | Pass | 10 |
| 15 | Parul V. Rathi | 30 | 24 | Pass | 10 |
| 16 | Pooja S. Mandokar | 30 | 26 | Pass | 10 |
| 17 | Prajakta D. Pawar | 30 | 26 | Pass | 10 |
| 18 | Prajakta U. Naik | 30 | 24 | Pass | 10 |
| 19 | Priyanka D. Mahatme | 30 | 27 | Pass | 10 |
| 20 | Radha K. Supalkar | 30 | 27 | Pass | 10 |
| 21 | Rashmita M. Bodalkar | 30 | 26 | Pass | 10 |
| 22 | Saloni M. Hendave | 30 | 24 | Pass | 10 |
| 23 | Saurav M. Dhote | 30 | 26 | Pass | 10 |
| 24 | Siddhi V. Raut | 30 | 27 | Pass | 10 |
| 25 | Summaya Firdous M. | 30 | 29 | Pass | 10 |
| 26 | Vaishnavi G. Patil | 30 | 27 | Pass | 10 |
| 27 | Vaishnavi R. Pabale | 30 | 24 | Pass | 10 |
| 28 | Yuvraj H. Soni | 30 | 26 | Pass | 10 |
| 29 | Aditya A. Shelokar | 30 | 24 | Pass | 10 |
| 30 | Damini K. Chaudhari | 30 | 24 | Pass | 10 |
| 31 | Diksha S. Chikram | 30 | 24 | Pass | 10 |
| 32 | Dipika G. Uike | 30 | 24 | Pass | 10 |
| 33 | Harsha V. Virulkar | 30 | 24 | Pass | 10 |
| 34 | Karuna S. Madare | 30 | 26 | Pass | 10 |
| 35 | Manisha S. Padole | 30 | 26 | Pass | 10 |
| 36 | Mayuri S. Mahajan | 30 | 24 | Pass | 10 |
| 37 | Monali D. Budhlani | 30 | 29 | Pass | 10 |
| 38 | Monika M. Dive | 30 | 26 | Pass | 10 |
| 39 | Mrunal K. Bhoge | 30 | 26 | Pass | 10 |
| 40 | Nikita A. Zade | 30 | 25 | Pass | 10 |
| 41 | Poonam D. Raghorte | 30 | 25 | Pass | 10 |
| 42 | Priya S. Thakare | 30 | 26 | Pass | 10 |
| 43 | Rajkamal V. Thakre | 30 | 27 | Pass | 10 |
| 44 | Renuka R. Tale | 30 | 24 | Pass | 10 |
| 45 | Saloni V. Baghel | 30 | 26 | Pass | 10 |
| 46 | Shreyasti H. Padole | 30 | 24 | Pass | 10 |
| 47 | Snehal V. Talware | 30 | 24 | Pass | 10 |
| 48 | Suvidha N. Thakare | 30 | 26 | Pass | 10 |
| 49 | Tejaswini A. Kaikade | 30 | 24 | Pass | 10 |
| 50 | Vaishnavi D. Ingle | 30 | 24 | Pass | 10 |
| 51 | Veeral S. Chandrana | 30 | 27 | Pass | 10 |
| | TOTAL (1 TO 51) | | | | 510 |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H.O.D. Head

Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Seminar / Group Discussion/ Study Tour** (2017-2018)

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Study Tour /Seminar | Date Of Visit /seminar | Marks Awarded |
|---|---|---|---|---|
| 1 | Aafreen Jahan S. Murtuza | Seminar, Immunoglobulin Classes | 16.03.2018 | 06 |
| 2 | Akshay D. Itiwale | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 3 | Akshay M. Bhoyar | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 4 | Akshay P. Kombe | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 5 | Aniket J. Raut | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 6 | Bhaktee P. Shelotkar | Seminar Infection and its types | 18.03.2018 | 06 |
| 7 | Harshada S. Thakare | Seminar, rabies virus | 26.03.2018 | 06 |
| 8 | Harshita P. Shriwas | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 9 | Kartik S. Gayke | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 10 | Krupali V. Deshmukh | Seminar pathogenecity & virulence | 18.03.2018 | 06 |
| 11 | Kunjan S. Chandure | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 12 | Minakshi A. Harge | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 13 | Mithila V. Jadhao | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 14 | Nikita G. Choudhari | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 15 | Parul V. Rathi | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 16 | Pooja S. Mandokar | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 17 | Prajakta D. Pawar | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 18 | Prajakta U. Naik | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 19 | Priyanka D. Mahatme | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 20 | Radha K. Supalkar | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 21 | Rashmita M. Bodalkar | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 22 | Saloni M. Hendave | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 23 | Saurav M. Dhote | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 24 | Siddhi V. Raut | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 25 | Summaya Firdous M. | Seminar immunoglobulin structure | 08.03.2018 | 06 |
| 26 | Vaishnavi G. Patil | Seminar Hepatitis Virus A | 16.03.2018 | 06 |
| 27 | Vaishnavi R. Pabale | Seminar, ELISA | 16.03.2018 | 06 |
| 28 | Yuvraj H. Soni | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 29 | Aditya A. Shelokar | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 30 | Damini K. Chaudhari | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 31 | Diksha S. Chikram | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 32 | Dipika G. Uike | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 33 | Harsha V. Virulkar | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 34 | Karuna S. Madare | Seminar radioimmunoassay | 21.03.2018 | 06 |
| 35 | Manisha S. Padole | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 36 | Mayuri S. Mahajan | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 37 | Monali D. Budhlani | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 38 | Monika M. Dive | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 39 | Mrunal K. Bhoge | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 40 | Nikita A. Zade | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 41 | Poonam D. Raghorte | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 42 | Priya S. Thakare | Seminar, rabies virus | 16.03.2018 | 06 |
| 43 | Rajkamal V. Thakre | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 44 | Renuka R. Tale | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 45 | Saloni V. Baghel | Seminar agglutination reaction | 16.03.2018 | 06 |
| 46 | Shreyasti H. Padole | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 47 | Snehal V. Talware | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 48 | Suvidha N. Thakare | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 49 | Tejaswini A. Kaikade | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 50 | Vaishnavi D. Ingle | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| 51 | Veeral S. Chandrana | Sugar Factory, Yawatmal | 08.03.2018 | 06 |
| | TOTAL (1 TO 51) | | | 306 |

Name and Signature of Teacher

Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Consolidated Records of Internal Assignment Marks 2017-2018**

Name of the college: Adarsha Science, J. B. Atrs & Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Class : B.Sc. Part II ( Semester – IV)** Subject : **Microbiology** Paper- 4 S Microbiology (Medical Microbiology)

Name of Teacher : **Dr. V. A. Kamble** Designation : Professor in Microbiology

| S. N. | Name Of Student | Project Assignment Max. Marks:- 04 | Study tour/seminar Max. Marks:-06 | Class Tests Max. Marks:- 10 | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| 1 | Aafreen Jahan S. Murtuza 34150 | 04 | 06 | 10 | 20 |
| 2 | Akshay D. Itiwale 34159 | 04 | 06 | 10 | 20 |
| 3 | Akshay M. Bhoyar 34160 | 04 | 06 | 10 | 20 |
| 4 | Akshay P. Kombe 34161 | 04 | 06 | 10 | 20 |
| 5 | Aniket J. Raut 34164 | 04 | 06 | 10 | 20 |
| 6 | Bhaktee P. Shelotkar 34186 | 04 | 06 | 10 | 20 |
| 7 | Harshada S. Thakare 34193 | 04 | 06 | 10 | 20 |
| 8 | Harshita P. Shriwas 34194 | 04 | 06 | 10 | 20 |
| 9 | Kartik S. Gayke 34180 | 04 | 06 | 10 | 20 |
| 10 | Krupali V. Deshmukh 34183 | 04 | 06 | 10 | 20 |
| 11 | Kunjan S. Chandure 34198 | 04 | 06 | 10 | 20 |
| 12 | Minakshi A. Harge 34202 | 04 | 06 | 10 | 20 |
| 13 | Mithila V. Jadhao 34203 | 04 | 06 | 10 | 20 |
| 14 | Nikita G. Choudhari 34254 | 04 | 06 | 10 | 20 |
| 15 | Parul V. Rathi 34258 | 04 | 06 | 10 | 20 |
| 16 | Pooja S. Mandokar 34215 | 04 | 06 | 10 | 20 |
| 17 | Prajakta D. Pawar 34216 | 04 | 06 | 10 | 20 |
| 18 | Prajakta U. Naik 34218 | 04 | 06 | 10 | 20 |
| 19 | Priyanka D. Mahatme 34224 | 04 | 06 | 10 | 20 |
| 20 | Radha K. Supalkar 34226 | 04 | 06 | 10 | 20 |
| 21 | Rashmita M. Bodalkar 34268 | 04 | 06 | 10 | 20 |
| 22 | Saloni M. Hendave 34232 | 04 | 06 | 10 | 20 |
| 23 | Saurav M. Dhote 34279 | 04 | 06 | 10 | 20 |
| 24 | Siddhi V. Raut 34240 | 04 | 06 | 10 | 20 |
| 25 | Summaya Firdous M. 34241 | 04 | 06 | 10 | 20 |
| 26 | Vaishnavi G. Patil 34290 | 04 | 06 | 10 | 20 |
| 27 | Vaishnavi R. Pabale 34292 | 04 | 06 | 10 | 20 |
| 28 | Yuvraj H. Soni 34299 | 04 | 06 | 10 | 20 |
| 29 | Aditya A. Shelokar 34152 | 04 | 06 | 10 | 20 |
| 30 | Damini K. Chaudhari 34187 | 04 | 06 | 10 | 20 |
| 31 | Diksha S. Chikram 34189 | 04 | 06 | 10 | 20 |
| 32 | Dipika G. Uike 34190 | 04 | 06 | 10 | 20 |
| 33 | Harsha V. Virulkar 34179 | 04 | 06 | 10 | 20 |
| 34 | Karuna S. Madare 34196 | 04 | 06 | 10 | 20 |
| 35 | Manisha S. Padole 34199 | 04 | 06 | 10 | 20 |
| 36 | Mayuri S. Mahajan 34201 | 04 | 06 | 10 | 20 |
| 37 | Monali D. Budhlani 34204 | 04 | 06 | 10 | 20 |
| 38 | Monika M. Dive 34206 | 04 | 06 | 10 | 20 |
| 39 | Mrunal K. Bhoge 34251 | 04 | 06 | 10 | 20 |
| 40 | Nikita A. Zade 34253 | 04 | 06 | 10 | 20 |
| 41 | Poonam D. Raghorte 34260 | 04 | 06 | 10 | 20 |
| 42 | Priya S. Thakare 34223 | 04 | 06 | 10 | 20 |
| 43 | Rajkamal V. Thakre 34228 | 04 | 06 | 10 | 20 |
| 44 | Renuka R. Tale 34269 | 04 | 06 | 10 | 20 |
| 45 | Saloni V. Baghel 34275 | 04 | 06 | 10 | 20 |
| 46 | Shreyasti H. Padole 34237 | 04 | 06 | 10 | 20 |
| 47 | Snehal V. Talware 34283 | 04 | 06 | 10 | 20 |
| 48 | Suvidha N. Thakare 34262 | 04 | 06 | 10 | 20 |
| 49 | Tejaswini A. Kaikade 34263 | 04 | 06 | 10 | 20 |
| 50 | Vaishnavi D. Ingle 34245 | 04 | 06 | 10 | 20 |
| 51 | Veeral S. Chandrana 34293 | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 51) | | | | **1020** |

Name and Signature of Teacher

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.

Dhamangaon Rly.

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**Department of Microbiology**

**Notice**

**Date: 23/01/2018**

All the students of **B. Sc. Part III semester –VI** Microbiology are hereby informed that their **topic for project assignment** (as a part of their internal assessment) has been finalized. Students are advised to note their project topic and submit printed project assignment on the recent development in the field given, on or before 08TH February, 2018.

| S. N. | Name Of Student | Project Topic |
|---|---|---|
| 1 | Aishwarya Rajesh Marve | Industrial Production of Penicillin |
| 2 | Anam Shadab Mohd Asad | Microbial Industrial Production of Cellulase |
| 3 | Bhairavi Laxminarayan Gandhi | Industrial Production of Beer |
| 4 | Bhautika Vinodrao Zatale | Industrial Production of Amylase (bacterial) |
| 5 | Kajal Raju Tupsundare | Industrial Production of single cell protein |
| 6 | Minhaj Bano Mohammad Rafique | Industrial Production of ethyl alcohol |
| 7 | Nilima Prabhakarrao Waghe | Industrial Production of Vinegar |
| 8 | Poonam Kishorrao Dakhare | Industrial Production of Acetone-butanol from corn |
| 9 | Pranali Yashvantrao Gode | Pasteurization |
| 10 | Prateek Surendra Manohar | Industrial Production of Streptomycin |
| 11 | Pratiksha Balabhau Khonde | Manufacture of butter |
| 12 | Priti Subhashrao Mahure | Preparation of fermented food like Pickles |
| 13 | Priya Sanjayrao Khope | Preparation of fermented food like Idli |
| 14 | Rasika Pravin Chakve | Industrial Production of Wine (Red table) |
| 15 | Ravina Diliprao Jaulkar | Industrial Production of Vitamin $B_6$ |
| 16 | Roshan Vijay Bansod | Milk adulteration testing methods |
| 17 | Roshni Vijayrao Lokhande | Indicators of food contamination as per WHO |
| 18 | Samiksha Shrikrishna Masram | Manufacture of Milk Powder |
| 19 | Shreya Ravindra Deshpande | Manufacture of Cheedar Cheese |
| 20 | Suraj Bharat Ronghe | Industrial Production of Citric acid |
| 21 | Uday Rajesh Titare | Manufacture of Yoghurt |
| 22 | Vaishali Motiramji Dhande | Manufacture of Butter |
| 23 | Vaishnavi Gaurishankar Gupta | Methods of Preservation of Foods |
| 24 | Vrushali Pramodrao Kosarkar | Preparation of Milk Powder |
| 25 | Aarti Manoj Shendre | Industrial production of Vitamin C |
| 26 | Anjali Manikrao Bawangade | Manufacture of Kefir |
| 27 | Harshali Gunwant Kawale | Scope of Industrial microbiology and Biotechnology |
| 28 | Apurva S. Chouhan | Industrial production of Fungal Amylase |
| 29 | Kanchan Rajendra Zade | Food infections |
| 30 | Komal Rajesh Bansod | Manufacture of Fermented food like Sauerkraut |
| 31 | Megha Rajendra Kshirsagar | Screening of industrial important microorganisms |
| 32 | Nikita Arunrao Mohokar | Industrial production of tetracycline |
| 33 | Nikita Madhukarrao Sune | Industrial production of Vitamin $B_{12}$ |
| 34 | Nutan Prakashrao Ingole | Oxidative phosphorylation |
| 35 | Pallavi Vinod Hande | Industrial production of Vitamin E |
| 36 | Pooja Prakash Isad | Industrial production of Vitamin A |
| 37 | Prajakta Shrikant Bherde | Industrial Production of Wine (White table) |
| 38 | Pratiksha Ramesh Himane | Industrial production of Vitamin K |
| 39 | Pratiksha Ravindra Tajne | EMP Pathway |
| 40 | Rahin Sheikh Shabbir | Sources of Microorganisms in Milk |
| 41 | Renuka Mahadevrao Kohale | Sources of Microorganisms in Food |
| 42 | Roshan Ranjit Hande | TCA cycle |
| 43 | Sagar Rajubhau Sawai | Food poisoning and Food infections |
| 44 | Shital Vijayrao Mankar | Classification and Nomenclature of enzymes |
| 45 | Shubhangi Purushottam Uike | Detection and assay of fermentation products |
| 46 | Supriya Vilas Durge | General layout of fermentation plant |
| 47 | Trupti Anilrao Kapale | Antifoam agents |
| 48 | Vaibhavi Vilas Gulhane | Inoculum buildup |
| 49 | Vaishnavi Shriram Dube | Oxidative phosphorylation |
| 50 | Vijay Pundlikrao Thakare | Food borne infections |
| 51 | Ku. Mayuri Rajendra Gopal | Manufacture of Fermented food like Idli |
| 52 | Vaishnavi G. Hatwar | Glycolysis |

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Adarsha Science, Jairamdas Bhagchand Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

## Department of Microbiology

NOTICE

Date: 30/01/2018

All the students of B. Sc. Part III semester – VI Microbiology are hereby informed that as a part of Internal Assessment, their class test will be conducted on 08th February 2018 at 2.45 pm in Microbiology Laboratory. All Students must remain present for the test examination.

| Course For Test Examination : Food and Milk Microbiology |
|---|

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**ADARSHA SCIENCE,J.B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY**

**B.Sc. PART III ( SEMESTER VI) COMMON TEST EXAMINATION –2018**

**6 S - MICROBIOLOGY**

**(Milk and Food Microbiology)**

**Time:-1.5 Hours** **Max.Marks:30**

---

Que.1.(A) Fill in the blanks:- ( 2 marks)

1) Stormy fermentation in milk is brought by ----------.
2) ---------- is the major protein present in the milk.
3) The test performed for grading of milk ----------.
4) ---------- is a commonest sugar present in milk.

B) Choose the correct answer. (2 marks)

i) The major organism used in the microbial production of citric acid is
a) Penicillin notatum b) Phizopus nigrificins c) Aspergillus niger d) Lactobacillis delbrueckii
ii) Industrial microbiology, mainly depends on the phenomenon
a) Pasteurisation b) Fermentation c) Vaccination d) Both b and c
iii) In HT-ST method of pasteurization milk is heated at ----------
a) 62.8 $^0$C b) 70.1 $^0$C c) 71.1$^0$C d) 75.1$^0$C
iv) Botulism is ----------
a) Food infection b) Food intoxication c) None of the above d) both a & b

C) Answer in one sentence. (2 marks)

i) What is Food microbiology?
ii) Define milk

Que 2. a) Explain how milk is contaminated with different sources. (4)
b) Discuss in brief Manufacture of cheese. (4)
c) Describe in brief pasterurization of milk by LTH method. (4)

**OR**

d) Explain how efficacy of pasteurization process is tested? (4)
e) Why is milk an excellent medium for growth of microorganisms ? (4)
f) Discuss different undesirable changes brought about by microorganisms in milk (4)

Que.3 a) Describe in brief preservation of foods by chemicals. (4)
b) Differentiate between food infection and food intoxication. (4)
c) Describe in brief Idli Production. (4)

OR

a) Explain how foods are preserved by radiations. (4)
b) Describe in brief food intoxication. (4)
c) What is canning? Give different steps of canning process (4)

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Class Test (2017-2018)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester–VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**

| Sr. No | Name of the student | CLASS TEST/ $T_3$ BATCH (ZOOLOGY) Date:08.02.2108 | | | Int. Ass. Marks Awarded to the student |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | BHAUTIKA V. ZATALE | 30 | 27 | Pass | 10 |
| 2 | AISHWARYA R. MARVE | 30 | 25 | Pass | 10 |
| 3 | ANAM SHADAB MOHD ASAD | 30 | 28 | Pass | 10 |
| 4 | APURVA S. CHOUHAN | 30 | 28 | Pass | 10 |
| 5 | BHAIRAVI L. GANDHI | 30 | 29 | Pass | 10 |
| 6 | KAJAL R. TUPSUNDARE | 30 | 27 | Pass | 10 |
| 7 | MINHAJ BANO MOHAMMAD RAFIQUE | 30 | 29 | Pass | 10 |
| 8 | NILIMA P. WAGHE | 30 | 22 | Pass | 07 |
| 9 | POONAM K. DAKHARE | 30 | 24 | Pass | 10 |
| 10 | PRANALI Y. GODE | 30 | 24 | Pass | 10 |
| 11 | PRATEEK S. MANOHAR | 30 | 24 | Pass | 10 |
| 12 | PRATIKSHA B. KHONDE | 30 | 24 | Pass | 10 |
| 13 | PRITI S. MAHURE | 30 | 30 | Pass | 10 |
| 14 | PRIYA S. KHOPE | 30 | 25 | Pass | 10 |
| 15 | RASIKA P. CHAKVE | 30 | 24 | Pass | 10 |
| 16 | RAVINA D. JAULKAR | 30 | 28 | Pass | 10 |
| 17 | ROSHAN V. BANSOD | 30 | 24 | Pass | 10 |
| 18 | ROSHNI V. LOKHANDE | 30 | 25 | Pass | 10 |
| 19 | SHREYA R. DESHPANDE | 30 | 27 | Pass | 10 |
| 20 | SURAJ B. RONGHE | 30 | 24 | Pass | 10 |
| 21 | UDAY R. TITARE | 30 | 28 | Pass | 10 |
| 22 | VAISHALI M. DHANDE | 30 | 25 | Pass | 10 |
| 23 | VAISHNAVI G. HATWAR | 30 | 27 | Pass | 10 |
| 24 | VAISHNAVI G. GUPTA | 30 | 24 | Pass | 10 |
| 25 | VRUSHALI P. KOSARKAR | 30 | 26 | Pass | 10 |
| 26 | SAMIKSHA MASRAM | 30 | 27 | Pass | 10 |
| | TOTAL (1 TO 26) | 780 | 675 | | 257 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date :05.03.2018

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Class Test (2017-2018)**
**Name of the college: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. Part III ( Semester–VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of Teacher : Dr. G. N. Budhlani** **Designation : Associate Professor**

| Sr. No | Name of the student | CLASS TEST/ $T_6$ BATCH (BOTANY) Date:08.02.2018 | | | Int. Ass. Marks Awarded to the student |
|---|---|---|---|---|---|
| | | Max. Marks | Marks Obtained | Pass/ Fail | |
| 1 | AARTI M. SHENDRE | 30 | 27 | Pass | 10 |
| 2 | ANJALI M. BAWANGADE | 30 | 24 | Pass | 10 |
| 3 | HARSHALI G. KAWALE | 30 | 24 | Pass | 10 |
| 4 | KANCHAN R. ZADE | 30 | 28 | Pass | 10 |
| 5 | KOMAL R. BANSOD | 30 | 24 | Pass | 10 |
| 6 | MAYURI R. GOPAL | 30 | 24 | Pass | 10 |
| 7 | MEGHA R. KSHIRSAGAR | 30 | 28 | Pass | 10 |
| 8 | NIKITA A. MOHOKAR | 30 | 24 | Pass | 10 |
| 9 | NIKITA M. SUNE | 30 | 26 | Pass | 10 |
| 10 | NUTAN P. INGOLE | 30 | 24 | Pass | 10 |
| 11 | PALLAVI V. HANDE | 30 | 25 | Pass | 10 |
| 12 | POOJA P. ISAD | 30 | 25 | Pass | 10 |
| 13 | PRAJAKTA S. BHERDE | 30 | 27 | Pass | 10 |
| 14 | PRATIKSHA R. HIMANE | 30 | 28 | Pass | 10 |
| 15 | PRATIKSHA R. TAJNE | 30 | 24 | Pass | 10 |
| 16 | RAHIN S. SHABBIR | 30 | 26 | Pass | 10 |
| 17 | RENUKA M. KOHALE | 30 | 24 | Pass | 10 |
| 18 | ROSHAN R. HANDE | 30 | 25 | Pass | 10 |
| 19 | SAGAR R. SAWAI | 30 | 25 | Pass | 10 |
| 20 | SHUBHANGI P. UIKE | 30 | 26 | Pass | 10 |
| 21 | SUPRIYA V. DURGE | 30 | 27 | Pass | 10 |
| 22 | TRUPTI A. KAPALE | 30 | 24 | Pass | 10 |
| 23 | VAIBHAVI V. GULHANE | 30 | 27 | Pass | 10 |
| 24 | VAISHNAVI S. DUBE | 30 | 24 | Pass | 10 |
| 25 | VIJAY P. THAKARE | 30 | 24 | Pass | 10 |
| 26 | SHITAL V. MANKAR | 30 | 25 | Pass | 10 |
| | TOTAL (1 TO 26) | 780 | 686 | | 260 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date : 05.03.2018

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Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Seminar / Innovative Practice 2017-2018**
**Name of the College: Adarsha Science J. B. Arts &Birla Commerce Mahavidyalaya , Dhamangaon Rly.**
**Class : B.Sc. III (Sem-VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks: 06**

| S. NO. | Name of the student | Project Assignment/ T5 BATCH(ZOOLOGY) | | Marks awarded out of 4 |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | BHAUTIKA V. ZATALE | 23.01.2018 | 08.02.2018 | 04 |
| 2 | AISHWARYA R. MARVE | 23.01.2018 | 08.02.2018 | 04 |
| 3 | ANAM SHADAB MOHD ASAD | 23.01.2018 | 08.02.2018 | 04 |
| 4 | APURVA S. CHOUHAN | 23.01.2018 | 08.02.2018 | 04 |
| 5 | BHAIRAVI L. GANDHI | 23.01.2018 | 08.02.2018 | 04 |
| 6 | KAJAL R. TUPSUNDARE | 23.01.2018 | 08.02.2018 | 04 |
| 7 | MINHAJ BANO MOHAMMAD RAFIQUE | 23.01.2018 | 08.02.2018 | 04 |
| 8 | NILIMA P. WAGHE | 23.01.2018 | 08.02.2018 | 04 |
| 9 | POONAM K. DAKHARE | 23.01.2018 | 08.02.2018 | 04 |
| 10 | PRANALI Y. GODE | 23.01.2018 | 08.02.2018 | 04 |
| 11 | PRATEEK S. MANOHAR | 23.01.2018 | 08.02.2018 | 04 |
| 12 | PRATIKSHA B. KHONDE | 23.01.2018 | 08.02.2018 | 04 |
| 13 | PRITI S. MAHURE | 23.01.2018 | 08.02.2018 | 04 |
| 14 | PRIYA S. KHOPE | 23.01.2018 | 08.02.2018 | 04 |
| 15 | RASIKA P. CHAKVE | 23.01.2018 | 08.02.2018 | 04 |
| 16 | RAVINA D. JAULKAR | 23.01.2018 | 08.02.2018 | 04 |
| 17 | ROSHAN V. BANSOD | 23.01.2018 | 08.02.2018 | 04 |
| 18 | ROSHNI V. LOKHANDE | 23.01.2018 | 08.02.2018 | 04 |
| 19 | SHREYA R. DESHPANDE | 23.01.2018 | 08.02.2018 | 04 |
| 20 | SURAJ B. RONGHE | 23.01.2018 | 08.02.2018 | 04 |
| 21 | UDAY R. TITARE | 23.01.2018 | 08.02.2018 | 04 |
| 22 | VAISHALI M. DHANDE | 23.01.2018 | 08.02.2018 | 04 |
| 23 | VAISHNAVI G. HATWAR | 23.01.2018 | 08.02.2018 | 04 |
| 24 | VAISHNAVI G. GUPTA | 23.01.2018 | 08.02.2018 | 04 |
| 25 | VRUSHALI P. KOSARKAR | 23.01.2018 | 08.02.2018 | 04 |
| 26 | SAMIKSHA MASRAM | 23.01.2018 | 08.02.2018 | 04 |
| | | Total of (1 to 26) | | 104 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date : 05.03.2018

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& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Record of Seminar / Innovative Practice 2017-2018**
**Name of the College: Adarsha Science J. B. Arts &Birla Commerce Mahavidyalaya , Dhamangaon Rly.**
**Class : B.Sc. III (Sem-VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks: 04**

| | | Project Assignment/ T6 BATCH (BOTANY) | | Marks awarded out |
|---|---|---|---|---|
| | | Allotted on | Submitted on | |
| 1 | AARTI M. SHENDRE | 23.01.2018 | 08.02.2018 | 04 |
| 2 | ANJALI M. BAWANGADE | 23.01.2018 | 08.02.2018 | 04 |
| 3 | HARSHALI G. KAWALE | 23.01.2018 | 08.02.2018 | 04 |
| 4 | KANCHAN R. ZADE | 23.01.2018 | 08.02.2018 | 04 |
| 5 | KOMAL R. BANSOD | 23.01.2018 | 08.02.2018 | 04 |
| 6 | MAYURI R. GOPAL | 23.01.2018 | 08.02.2018 | 04 |
| 7 | MEGHA R. KSHIRSAGAR | 23.01.2018 | 08.02.2018 | 04 |
| 8 | NIKITA A. MOHOKAR | 23.01.2018 | 08.02.2018 | 04 |
| 9 | NIKITA M. SUNE | 23.01.2018 | 08.02.2018 | 04 |
| 10 | NUTAN P. INGOLE | 23.01.2018 | 08.02.2018 | 04 |
| 11 | PALLAVI V. HANDE | 23.01.2018 | 08.02.2018 | 04 |
| 12 | POOJA P. ISAD | 23.01.2018 | 08.02.2018 | 04 |
| 13 | PRAJAKTA S. BHERDE | 23.01.2018 | 08.02.2018 | 04 |
| 14 | PRATIKSHA R. HIMANE | 23.01.2018 | 08.02.2018 | 04 |
| 15 | PRATIKSHA R. TAJNE | 23.01.2018 | 08.02.2018 | 04 |
| 16 | RAHIN S. SHABBIR | 23.01.2018 | 08.02.2018 | 04 |
| 17 | RENUKA M. KOHALE | 23.01.2018 | 08.02.2018 | 04 |
| 18 | ROSHAN R. HANDE | 23.01.2018 | 08.02.2018 | 04 |
| 19 | SAGAR R. SAWAI | 23.01.2018 | 08.02.2018 | 04 |
| 20 | SHUBHANGI P. UIKE | 23.01.2018 | 08.02.2018 | 04 |
| 21 | SUPRIYA V. DURGE | 23.01.2018 | 08.02.2018 | 04 |
| 22 | TRUPTI A. KAPALE | 23.01.2018 | 08.02.2018 | 04 |
| 23 | VAIBHAVI V. GULHANE | 23.01.2018 | 08.02.2018 | 04 |
| 24 | VAISHNAVI S. DUBE | 23.01.2018 | 08.02.2018 | 04 |
| 25 | VIJAY P. THAKARE | 23.01.2018 | 08.02.2018 | 04 |
| 26 | SHITAL V. MANKAR | 23.01.2018 | 08.02.2018 | 04 |
| | | Total of (1 to 26) | | 104 |

Name and Signature of Teacher
**(Dr. G. N. Budhlani)**
Date : 05.03.2018

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Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Consolidated Records of Internal Assignment Marks 2017-2018**
**Name of the College: Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. III (Sem-VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks:20**

| Sr No | Name of the Student | Marks Obtained/ T5 BATCH (ZOOLOGY) | | | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| | | Project Assignment Max. Marks:- 04 | Study Tour Max. Marks:- 06 | Class Tests Max. Marks:-10 | |
| 1 | BHAUTIKA V. ZATALE 82170 | 04 | 06 | 10 | 20 |
| 2 | AISHWARYA R. MARVE 82146 | 04 | 06 | 10 | 20 |
| 3 | ANAM SHADAB MOHD ASAD 82149 | 04 | 06 | 10 | 20 |
| 4 | APURVA S. CHOUHAN 82155 | 04 | 06 | 10 | 20 |
| 5 | BHAIRAVI L. GANDHI 82169 | 04 | 06 | 10 | 20 |
| 6 | KAJAL R. TUPSUNDARE 82176 | 04 | 06 | 10 | 20 |
| 7 | MINHAJ BANO MOHAMMAD RAFIQUE 82240 | 04 | 06 | 10 | 20 |
| 8 | NILIMA P. WAGHE 82193 | 04 | 06 | 07 | 17 |
| 9 | POONAM K. DAKHARE 82199 | 04 | 06 | 10 | 20 |
| 10 | PRANALI Y. GODE 82200 | 04 | 06 | 10 | 20 |
| 11 | PRATEEK S. MANOHAR 82252 | 04 | 06 | 10 | 20 |
| 12 | PRATIKSHA B. KHONDE 822031 | 04 | 06 | 10 | 20 |
| 13 | PRITI S. MAHURE 82206 | 04 | 06 | 10 | 20 |
| 14 | PRIYA S. KHOPE 82207 | 04 | 06 | 10 | 20 |
| 15 | RASIKA P. CHAKVE 822091 | 04 | 06 | 10 | 20 |
| 16 | RAVINA D. JAULKAR 82211 | 04 | 06 | 10 | 20 |
| 17 | ROSHAN V. BANSOD 822591 | 04 | 06 | 10 | 20 |
| 18 | ROSHNI V. LOKHANDE 82215 | 04 | 06 | 10 | 20 |
| 19 | SHREYA R. DESHPANDE 82249 | 04 | 06 | 10 | 20 |
| 20 | SURAJ B. RONGHE 82273 | 04 | 06 | 10 | 20 |
| 21 | UDAY R. TITARE 82278 | 04 | 06 | 10 | 20 |
| 22 | VAISHALI M. DHANDE 82279 | 04 | 06 | 10 | 20 |
| 23 | VAISHNAVI G. HATWAR 82231 | 04 | 06 | 10 | 20 |
| 24 | VAISHNAVI G. GUPTA 82282 | 04 | 06 | 10 | 20 |
| 25 | VRUSHALI P. KOSARKAR 82232 | 04 | 06 | 10 | 20 |
| 26 | SAMIKSHA MASRAM 82264 | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 26) | 104 | 156 | 260 | 517 |

Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date :05.03.2018

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**
**Consolidated Records of Internal Assignment Marks 2017-2018**
**Name of the College: Adarsha Science, J. B. Arts &Birla Commerce Mahavidyalaya,Dhamangaon Rly**
**Class : B.Sc. III (Sem-VI)**
**Subject : Microbiology**
**Paper (With Title) –6 S Microbiology**
**(Industrial Fermentation,Food Microbiology and Metabolism)**
**Name of the Teacher: Dr. G. N. Budhlani** **Designation: Associate Professor**
**Max. Marks:20**

| Sr. No. | Name of the Student | Marks Obtained/ $T_6$ BATCH (BOTANY) | | | Total Max. Marks:- 20 |
|---|---|---|---|---|---|
| | | Project Assignment Max. Marks:- 04 | Study Tour/Seminar Max. Marks:- 06 | Class Tests Max. Marks:-10 | |
| 1 | AARTI M. SHENDRE 82168 | 04 | 06 | 10 | 20 |
| 2 | ANJALI M. BAWANGADE 82167 | 04 | 06 | 10 | 20 |
| 3 | HARSHALI G. KAWALE 82173 | 04 | 06 | 10 | 20 |
| 4 | KANCHAN R. ZADE 82178 | 04 | 06 | 10 | 20 |
| 5 | KOMAL R. BANSOD 82183 | 04 | 06 | 10 | 20 |
| 6 | MAYURI R. GOPAL 82187 | 04 | 06 | 10 | 20 |
| 7 | MEGHA R. KSHIRSAGAR 82188 | 04 | 06 | 10 | 20 |
| 8 | NIKITA A. MOHOKAR 82191 | 04 | 06 | 10 | 20 |
| 9 | NIKITA M. SUNE 82246 | 04 | 06 | 10 | 20 |
| 10 | NUTAN P. INGOLE 82194 | 04 | 06 | 10 | 20 |
| 11 | PALLAVI V. HANDE 82196 | 04 | 06 | 10 | 20 |
| 12 | POOJA P. ISAD 82164 | 04 | 06 | 10 | 20 |
| 13 | PRAJAKTA S. BHERDE 82250 | 04 | 06 | 10 | 20 |
| 14 | PRATIKSHA R. HIMANE 82204 | 04 | 06 | 10 | 20 |
| 15 | PRATIKSHA R. TAJNE 82253 | 04 | 06 | 10 | 20 |
| 16 | RAHIN S. SHABBIR 82256 | 04 | 06 | 10 | 20 |
| 17 | RENUKA M. KOHALE 82212 | 04 | 06 | 10 | 20 |
| 18 | ROSHAN R. HANDE 82258 | 04 | 06 | 10 | 20 |
| 19 | SAGAR R. SAWAI 82262 | 04 | 06 | 10 | 20 |
| 20 | SHUBHANGI P. UIKE 82221 | 04 | 06 | 10 | 20 |
| 21 | SUPRIYA V. DURGE 82223 | 04 | 06 | 10 | 20 |
| 22 | TRUPTI A. KAPALE 82227 | 04 | 06 | 10 | 20 |
| 23 | VAIBHAVI V. GULHANE 82280 | 04 | 06 | 10 | 20 |
| 24 | VAISHNAVI S. DUBE 82284 | 04 | 06 | 10 | 20 |
| 25 | VIJAY P. THAKARE 82286 | 04 | 06 | 10 | 20 |
| 26 | SHITAL V. MANKAR 82218 | 04 | 06 | 10 | 20 |
| | TOTAL (1 TO 26) | 104 | 156 | 260 | 520 |

Name and Signature of Teacher
**Dr. G. N. Budhlani**
Date : 05.03.2018

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Signature of H. O. D.
Head
Department of Microbiology
Adarsha Sci., J. B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 30/11/2021

# Notice

All the students of B.Sc. III (Sem V), PHYSICS are hereby informed that, their internal test of 30 marks in concern with internal assessment of S. G. B. A. U. theory examination, Winter 2021 will be held by online/offline mode as per following schedule. The students should note and act accordingly. The test is compulsory to all students.

| Name of the Examination | Date | Time | Syllabus |
|---|---|---|---|
| B. Sc. III (SEM V) | 16/12/2021 | 2:55 PM – 3:45 PM | Unit V (Hybrid Parameters and Transistor amplifiers) |
| | 06/01/2022 | 2:55 PM – 3:45 PM | Unit VI (Feedback in amplifiers, Oscillators and Multivibrators) |

The students should note that internal test marks will be awarded on the basis of performance of the students mentioned below:

| Internal test marks Obtained (Out of 30) | Internal test marks awarded (Out of 10) |
|---|---|
| ≥ 24 | 10 |
| 18 - 23 | 07 |
| 1 1 - 17 | 05 |
| 0 - 10 | 00 |

Teacher In charge

(G. S. Mendhe)

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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Adarsha Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 06/12/2021

## Notice

All students of **B.Sc. I Sem I(physics),** are hereby inform that, they should submit followingassignmentsin concern with **internal marks of theory examination Winter 2021**on 31/12/2021The students should note and act accordingly.

**Assignment No. 1**

**Topic: Unit I, II, V**

1) If the distance between the two masses is halved, then what would be the new value of force?
2) The diameter of the orbit of the planet round the sun is 25 times the diameter of earth's orbit round the sun. Calculate the period of revolution of planet round the sun.
3) The time taken by simple pendulum to perform 100 vibrations in 8 min 10 sec in Mumbai and 8 min 20 sec in Pune .Calculate the ratio of acceleration due to gravity in Mumbai and Pune.
4) Calculate the periodic time of simple pendulum ,If length of string is 10cm.
5) A steel wire 1 m long is suspended from a rigid support and carries a 6 kg mass at its lower free end. If the wire be 1 $mm^2$ in cross section and Young's modulus for the wire is $2 \times 10^{11}$ $N/m^2$. Calculate the increase in its length.
6) Calculate the Young's modulus of a bar of length 1 m, breadth 2.5 cm and thickness 0.5 cm is fixed at one end and loaded at the other end. The depression of free end is 0.5 cm when load of 100 gm is applied.
7) A bar of length 1 m, breadth 2 cm and thickness 2 mm is supported at its two ends and loaded at the centre. The depression observed in the middle of the beam is 1 cm when load of 500 gm is applied. Calculate the Young's modulus of the material of the beam.

(Dr.S.G.Vidhale )

Teacher In charge

(Dr.Y.BGandole)

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 03/12/2021

# Notice

All the students of **B.Sc. II (Sem III), PHYSICS** are hereby informed that, **seminar presentation** in concern with **internal assessment of S. G. B. A. U. theory examination, winter-2021** will be held as per following schedule. **The seminar can be presented by offline mode in the department of Physics or by online mode by recording video and submitting it on Google classroom.** The seminar script should be submitted by online mode **on Google Classroom** or by offline mode in the department of Physics on or before **30/12/2021**. The **seminar presentation is compulsory to all students.** The students should note and act accordingly.

| Group | Date | Time |
|---|---|---|
| S1, S3 | 21/12/2021 | 12:10 PM – 2:45 PM |
| S2, S4 | 23/12/2021 | 2: 55 PM – 5:15 PM |

Teacher In charge

(Dr. S. S. Sharma)

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of physics**

**Date: 03/12/2021**

## Notice

All the students of **B.Sc. II (Sem III), PHYSICS** are hereby informed that, they have to submit **theory project on Recent development in Physics** in concern with **internal assessment of S. G. B. A. U. theory examination, winter-2021** by **online mode on Google Classroom** or **by offline mode in the department of Physics** on or before **30/12/2021**. The students should note and act accordingly.

**Teacher In charge**

**(Dr. S. S. Sharma)**

**Principal**

**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 30/11/2021

# Notice

All the students of **B.Sc. III (Sem V), PHYSICS** are hereby informed that, they have to submit **theory project on Recent development in Physics** in concern with **internal assessment of S. G. B. A. U. theory examination, winter 2021** by **online mode on Google Classroom** or **by offline mode in the department of Physics** on or before **24/12/2021**. The students should note and act accordingly.

**Teacher In charge**

**(G. S. Mendhe)**

**Principal**

**(Dr. Y. B. Gandole)**

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Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 30/11/2021

# Notice

All the students of **B.Sc. III (Sem V), PHYSICS** are hereby informed that, seminar presentation in concern with **internal assessment of S. G. B. A. U. theory examination, winter 2021** will be held as per following schedule. The seminar can be presented by offline mode in the department of Physics or by online mode by recording video and submitting it on Google classroom. The seminar script should be submitted by online mode **on Google Classroom** or by offline mode in the department of Physics on or before **24/12/2021**. The seminar presentation is compulsory to all students. The students should note and act accordingly.

| Group | Date | Time |
|---|---|---|
| T1, T3 | 23/12/2021 | 12:10 PM – 2:45 PM |
| T2, T4 | 18/12/2021 | 2: 55 PM – 5:15 PM |

Teacher In charge

(G. S. Mendhe)

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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TEST I (17 DEC221)

Untitled form

Questions Responses 89 Settings Total points: 30



Adarsha Science ,J.B.Arts and Birla commerce college ,Dhamangaon Railway

B.Sc I (Sem I) Unit test -I

Mark :30 Time : 1 hr.

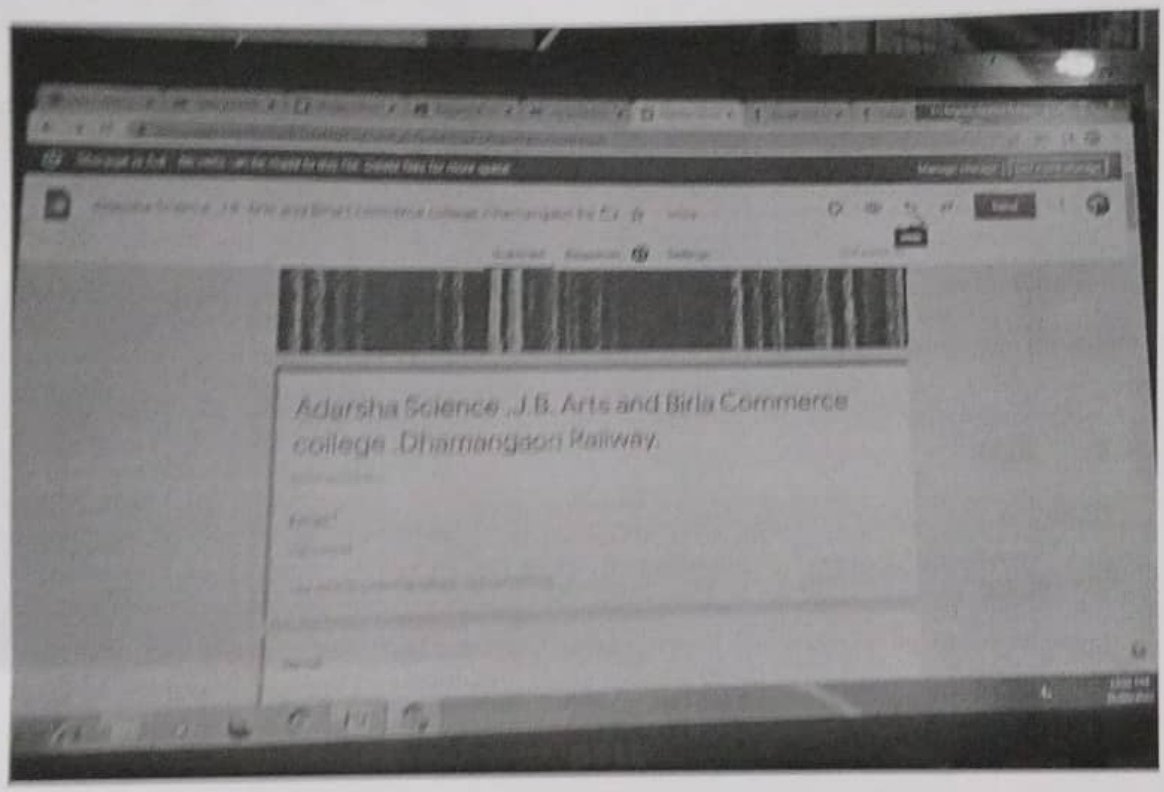
Email *

Valid email

https://docs.google.com/forms/d/e/1FAIpQLSfrlmnU9kCKbfM5-_TukbE11w8Q575p2sdBqUBjbmLJZi3C1g/viewform?usp=sf_link

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya
Dhamangaon Rly.

TEST II (7 JAN 2022)




https://docs.google.com/forms/d/e/1FAIpQLSd_EWh2YOEEMcqDQipNJT4NceuZ3_eq0GdSxa4HyNE0rCg_ww/closedform

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**
**Unit Test Examination 2021 - 2022**
**B.sc (part- I) semester I**

**Time: 1hour 30 minutes** **Subject: Physics** **Total Marks: 30**

**Q:1) Choose correct alternative from the following.** 5.

i) Modulus of rigidity is related with change in
(a) Volume (b) Length
(c) Shape (d) None of these.

ii) After the removal of deforming force elastic body regains its
(a) Size or shape (b) Size
(c) Shape (d) Size and shape

iii) The S. I. Unit of volume strain is
(a) $N/m^2$ (b) $m^3$
(c) $N/m^3$ (d) No unit

iv) Linear stress produces change in
(a) Volume (b) Length
(c) Shape (d) None of these.

v) The modulus of rigidity has the unit of
(a) Force (b) Pressure
(c) Volume (d) None of these

**Q: 2) Answer in one sentence:** 5.

i) State Hooke's law of elasticity.
ii) What is cantilever?
iii) Define stress.
iv) Define Young's modulus of elasticity.
v) What is Poisson's ratio?

**Q: 3) Answer any Four:** 20.

i) Derive an expression for bending moment of the beam.
ii) Obtain an expression for the depression of the beam fixed at one end and loaded at the other.
iii) Obtain an expression for the couple required for twisting a cylinder through an angle Θ.
iv) Explain how modulus of rigidity of material of wire can be determined using Maxwell's needle.
v) Explain angle of twist and angle of shear. Obtain relation between them.
vi) What is torsional pendulum? Obtain an expression for periodic time of torsional pendulum.

**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**
**Unit Test Examination 2021 - 2022**
**B.sc (part- I) semester I**

**Time: 1hour 30 minutes** **Subject: Physics** **Total Marks: 30**

**Q:1) Choose correct alternative from the following.** 5.

i) Modulus of rigidity is related with change in
(a) Volume (b) Length
(c) Shape (d) None of these.

ii) After the removal of deforming force elastic body regains its
(a) Size or shape (b) Size
(c) Shape (d) Size and shape

iii) The S. I. Unit of volume strain is
(a) $N/m^2$ (b) $m^3$
(c) $N/m^3$ (d) No unit

iv) Linear stress produces change in
(a) Volume (b) Length
(c) Shape (d) None of these.

v) The modulus of rigidity has the unit of
(a) Force (b) Pressure
(c) Volume (d) None of these

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iii) Obtain an expression for the couple required for twisting a cylinder through an angle Θ.
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v) Explain angle of twist and angle of shear. Obtain relation between them.
vi) What is torsional pendulum? Obtain an expression for periodic time of torsional pendul

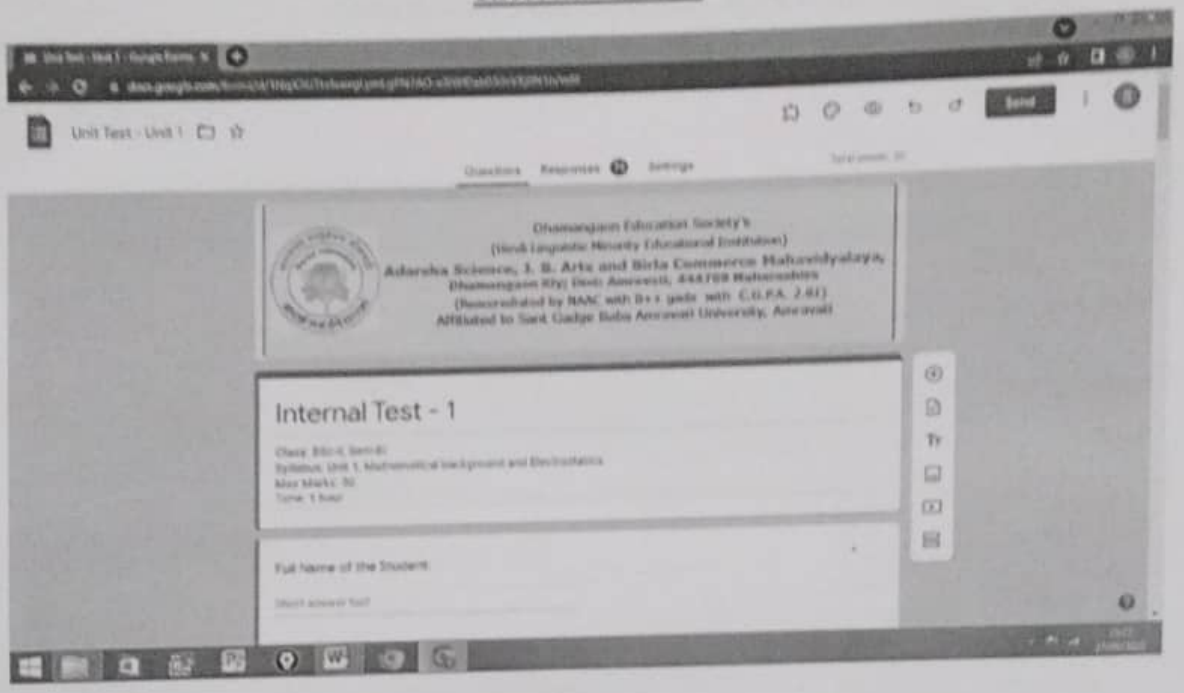
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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department of physics**

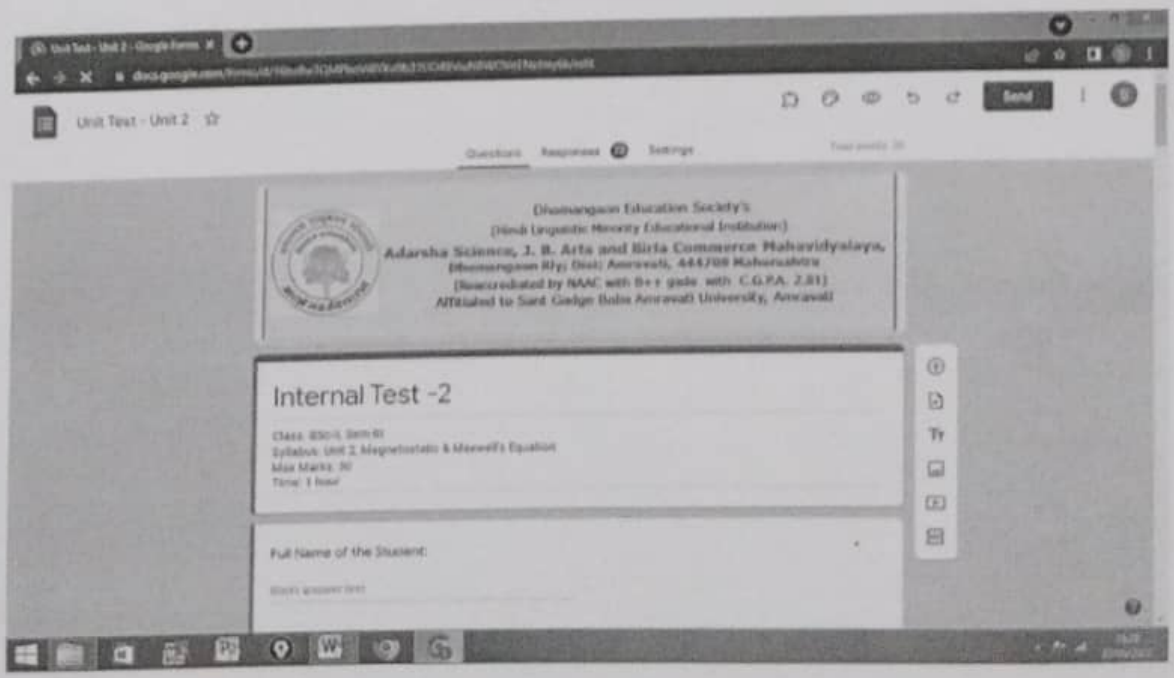
**B.Sc. –II, Semester –III, Session: 2021-2022**

## Internal Test-1




Test Link: https://forms.gle/NHBz7ua2nASu975j9

## Internal Test-2




Test Link: https://forms.gle/wvz6rCtGowHxdsCJA

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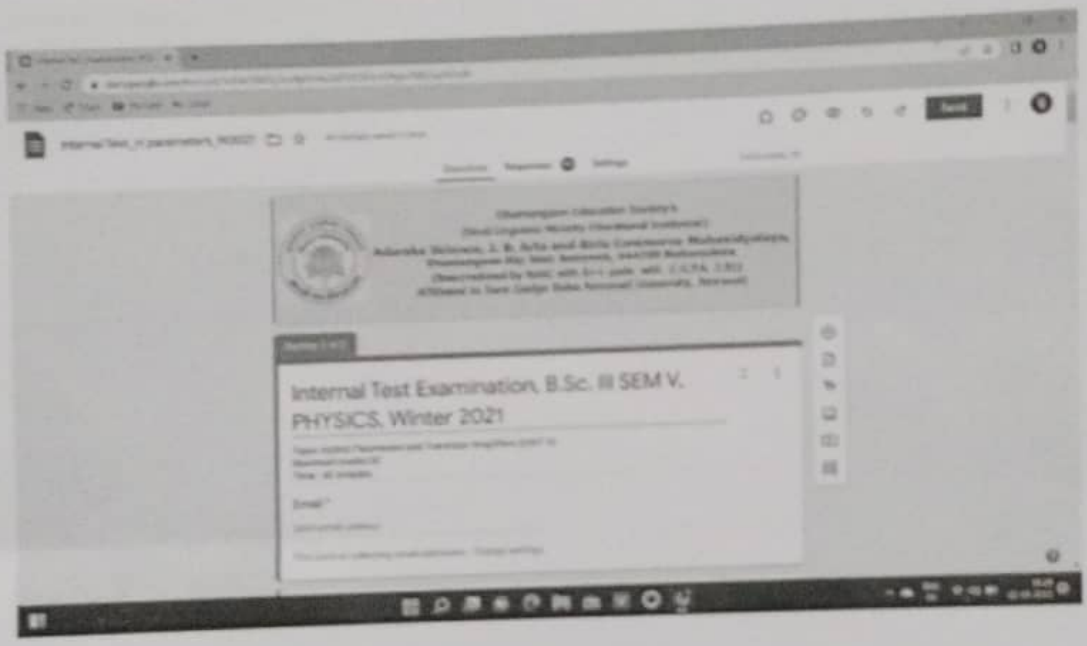
Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Internal Test Examination 2021 – 22

Class: B.Sc. III SEM V

Screenshot:




Link:

https://forms.gle/aFsEaJuHew7hFPr97

22

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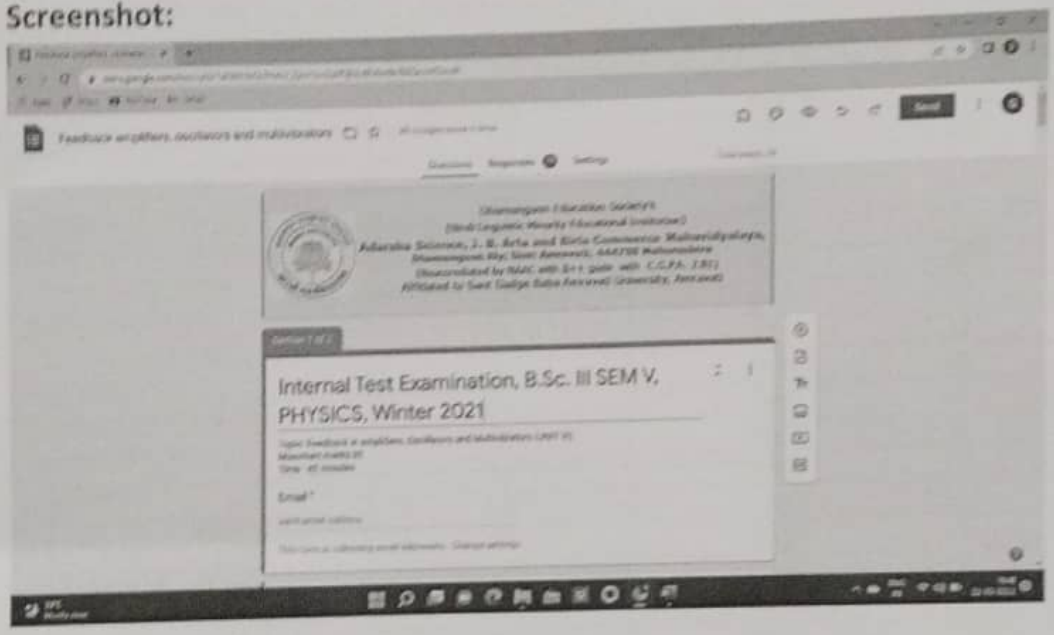
Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Internal Test Examination 2021 – 22

Class: B.Sc. III SEM V

**Screenshot:**




**Link:**

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Sant Gadge Baba Amravati University, Amravati

Record of Class Test(2021-22)

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

.Subject: **PHYSICS**

Class: **B.Sc. I(Sem- I)**

Paper (with title): **MECHANICS, PROPERTIES OF MATTER, WAVES AND OSCILLATIONS**

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

| S.N. | Name of the Student | First Test Date:17/12/21 & 12/01/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Out of 12 |
| 1 | AartiSurjuse | 26 | PASS | 12 |
| 2 | AbhayGawande | 24 | PASS | 7 |
| 3 | AbhijitManohare | 25 | PASS | 12 |
| 4 | AbhishekChoudhari | 24 | PASS | 12 |
| 5 | AkanshaDeogade | 26 | PASS | 10 |
| 6 | Anushka Thakur | 24 | PASS | 00 |
| 7 | AtharvaGawande | 25 | PASS | 12 |
| 8 | Dikshant Moon | 24 | PASS | 12 |
| 9 | GayatribaburavJadhav | 26 | PASS | 12 |
| 10 | GayatriMehatre | 24 | PASS | 12 |
| 11 | GayatriMoreshwarraoRaut | 25 | PASS | 12 |
| 12 | HuzaifAkmalZakir Ahmad | AB | AB | 12 |
| 13 | Jay Hore | 25 | PASS | 12 |
| 14 | Juhi D Uike | 24 | PASS | 12 |
| 15 | Khushavant Vijay Gajbhiye | 22 | PASS | 12 |
| 16 | Komal Bharat Madavi | 22 | PASS | 10 |
| 17 | KunalKelatkar | 22 | PASS | 12 |
| 18 | Maithili RajabhauRonghe | 24 | PASS | 10 |
| 19 | MinalBhojrajNikhar | 22 | PASS | 12 |
| 20 | Monika Nain | 25 | PASS | 10 |
| 21 | Naval NarendraraoTondare | 26 | PASS | 12 |
| 22 | Nidhisatishshriwas | 25 | PASS | 12 |
| 23 | Nikita Sanjay Utale | 25 | PASS | 12 |
| 24 | Om k Bhoyar | 19 | PASS | 12 |
| 25 | PrachiDeshmukh | 24 | PASS | 10 |
| 26 | PrashantRatnakarArekar | 24 | PASS | 12 |
| 27 | Prashik Chavhan | 24 | PASS | 12 |
| 28 | Prathamesh Gajbhiye | 25 | PASS | 12 |
| 29 | Pratik Diliprao Golait | 24 | PASS | 12 |
| 30 | Pratiksha Sunilrao Ghawat | 17 | PASS | 10 |
| 31 | PratikshaVyawahare | 18 | PASS | 12 |
| 32 | Puja Nachankar | 25 | PASS | 10 |
| 33 | RajashriTarare | 25 | PASS | 10 |
| 34 | Rano Thakur | 24 | PASS | 12 |

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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Record of Home Assignment (2021-22)

me of the college: - Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya

SantGadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon**

**Rly.**Subject: **PHYSICS**

Class: **B.Sc. I(Sem- I)**

Paper (with title): **MECHANICS, PROPERTIES OF MATTER, WAVES AND OSCILLATIONS**

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

| S.N. | Name of the Student | First Test Date 17/12/21 & 12/01/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Out of 12 |
| 35 | Ritesh Alone | 24 | PASS | 12 |
| 36 | RoshaniPradipraoKhandal | 24 | PASS | 12 |
| 37 | Roshan Shah | 22 | PASS | 12 |
| 38 | RushikeshKhadase | 11 | PASS | 10 |
| 39 | Rushikesh Narayan Rewade | 24 | PASS | 10 |
| 40 | Sahil JitendraBorkar | AB | AB | 00 |
| 41 | Sakshiruparav Mete | 11 | PASS | 7 |
| 42 | SakshiZatale | 11 | PASS | 7 |
| 43 | SamikshaGawande | 24 | PASS | 7 |
| 44 | SandeshUgale | 11 | PASS | 12 |
| 45 | SaniyaRatanlalaJaiswal | 24 | PASS | 12 |
| 46 | SaniyakausarRiyaz Khan | 24 | PASS | 7 |
| 47 | SayliKamble | 22 | PASS | 10 |
| 48 | ShaikhShaikhKarim | 24 | PASS | 00 |
| 49 | ShatanandAmolHiwarkar | 24 | PASS | 12 |
| 50 | ShraddhaMalode | 24 | PASS | 12 |
| 51 | Shravani V. Vidulkar | 24 | PASS | 12 |
| 52 | ShrutiGaneshraoRaut | 22 | PASS | 10 |
| 53 | SnehalBabanraoRaut | 24 | PASS | 12 |
| 54 | SnehalRajendraChaudhari | 25 | PASS | 12 |
| 55 | SwaminiSudhakarSarave | 25 | PASS | 12 |
| 56 | TanviGandole | 26 | PASS | 12 |
| 57 | TejasJolhe | 26 | PASS | 10 |
| 58 | TejasviniChavhan | 22 | PASS | 12 |
| 59 | TejasviniGovindKapile | 22 | PASS | 12 |
| 60 | TusharSanjayraoHanwate | 24 | PASS | 12 |
| 61 | TwinkalGajbhiye | 25 | PASS | 12 |
| 62 | Vaishnavi kale | 25 | PASS | 10 |
| 63 | Vedant M. Thakare | 22 | PASS | 12 |
| 64 | Vedant Dhok | 22 | PASS | 10 |
| 65 | Vikram Vilas Somkuwar | 24 | PASS | 12 |

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Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Record of Home Assignment (2021-22)

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS** Class: **B.Sc. I(Sem- I)**

Paper (with title): **MECHANICS, PROPERTIES OF MATTER, WAVES AND OSCILLATIONS**

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

**Date 11/1/2022 (Tuesday)**

| Sr No. | Name | Roll no | Marks Assignment(8) |
|---|---|---|---|
| 1 | AartiSurjuse | 21AB110470 | 8 |
| 2 | AbhayGawande | 21AB110472 | 8 |
| 3 | AbhijitManohare | 21AB110473 | 8 |
| 4 | AbhishekChoudhari | 21AB110474 | 8 |
| 5 | AkanshaDeogade | 21AB110477 | 00 |
| 6 | AnishaKadu | 21AB110478 | 00 |
| 7 | Anushka Thakur | 21AB110479 | 8 |
| 8 | AtharvaGawande | 21AB110484 | 8 |
| 9 | Dikshant Moon | 21AB110487 | 8 |
| 10 | GayatribaburavJadhav | 21AB110488 | 8 |
| 11 | GayatriMehatre | 21AB110492 | 8 |
| 12 | GayatriMoreshwarraoRaut | 21AB110489 | 8 |
| 13 | HuzaifAkmalZakir Ahmad | 21AB110494 | 8 |
| 14 | Jay Hore | 21AB110495 | 00 |
| 15 | Juhi D Uike | 21AB110496 | 8 |
| 16 | KalyaniKiranThakare | 21AB110497 | 00 |
| 17 | Khushavant Vijay Gajbhiye | 21AB110498 | 8 |
| 18 | Komal Bharat Madavi | 21AB110501 | 8 |
| 19 | Maithili RajabhauRonghe | 21AB110505 | 8 |
| 20 | MinalBhojrajNikhar | 21AB110506 | 8 |
| 21 | Monika Nain | 21AB110507 | 8 |
| 22 | Naval NarendraraoTondare | 21AB110508 | 8 |
| 23 | Nidhi satish shriwas | 21AB110510 | 8 |
| 24 | Nikita Sanjay Utale | 21AB110512 | 8 |
| 25 | Om k Bhoyar | 21AB110514 | 8 |
| 26 | PrashantRatnakarArekar | 21AB110522 | 8 |
| 27 | PrashikChavhan | 21AB110523 | 8 |
| 28 | PrathameshGajbhiye | 21AB110524 | 8 |
| 29 | Pratik DilipraoGolait | 21AB110525 | 8 |
| 30 | PratikshaSunilraoGhawat | 21AB110528 | 8 |
| 31 | PratikshaVyawahare | 21AB110527 | 8 |
| 32 | Puja Nachankar | 21AB110529 | 8 |
| 33 | RajashriTarare | 21AB110530 | 8 |
| 34 | Rano Thakur | 21AB110531 | 8 |
| 35 | Ritesh Alone | 21AB110533 | 8 |
| 36 | RoshanGulab Shah | 21AB110534 | 8 |
| 37 | RoshaniPradipraoKhandal | 21AB110535 | 8 |

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| | | | |
|---|---|---|---|
| 38 | Rushikesh Narayan Rewade | 21AB110538 | 8 |
| 39 | RushikeshKhadase | 21AB110539 | 8 |
| 40 | SahilJitendraBorkar | 21AB110542 | 00 |
| 41 | Sakshiruparav Mete | 21AB110544 | 8 |
| 42 | SakshiZatale | 21AB123379 | 5 |
| 43 | Sandeshugale | 21AB110550 | 5 |
| 44 | SaniyakausarRiyaz Khan | 21AB110551 | 8 |
| 45 | SaniyaRatanlalaJaiswal | 21AB110552 | 8 |
| 46 | SayliKamble | 21AB110554 | 8 |
| 47 | ShaikhShaikhKarim | 21AB110556 | 8 |
| 48 | ShatanandAmolHiwarkar | 21AB110557 | 00 |
| 49 | ShraddhaMalode | 21AB110558 | 8 |
| 50 | Shravani V. Vidulkar | 21AB110561 | 8 |
| 51 | ShrutiGaneshraoRaut | 21AB110563 | 8 |
| 52 | ShwetaNagrale | 21AB110565 | 00 |
| 53 | SnehalBabanraoRaut | 21AB110566 | 8 |
| 54 | SnehalRajendraChaudhari | 21AB110567 | 8 |
| 55 | SwaminiSudhakarSarave | 21AB110569 | 8 |
| 56 | TejasJolhe | 21AB110573 | 8 |
| 57 | TejasviniChavhan | 21AB110576 | 8 |
| 58 | TejasviniGovindKapile | 21AB110575 | 8 |
| 59 | TusharSanjayraoHanwate | 21AB110578 | 8 |
| 60 | TwinkalGajbhiye | 21AB110579 | 8 |
| 61 | Vaishnavi kale | 21AB110582 | 8 |
| 62 | Vedant M. Thakare | 21AB110583 | 00 |
| 63 | VedantDhok | 21AB110584 | 8 |
| 64 | Vikram Vilas Somkuwar | 21AB110586 | 8 |

Name and Signatures of Teachers:

1----------

2. ----------

Signature of H.O.D.

Verified
Principal

PRINCIPAL
Arts, Science, J.B. M's
Date:

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Record of Class Test(2021-22)

Name of the college: - Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

Subject: PHYSICS Class: B.Sc. I(Sem- I)

Paper (with title): KINETIC THEORY ,THERMODYNAMICS AND ELECTRIC CURRENT

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

**Date 11/1/2022 (Tuesday)**

| Sr No. | Name | Roll no | Marks Assignment(8) | Test Out of 12 | Total |
|---|---|---|---|---|---|
| 1 | Aarti Surjuse | 21AB110470 | 8 | 12 | 20 |
| 2 | Abhijit Manohare | 21AB110473 | 8 | 12 | 20 |
| 3 | Abhishek Choudhari | 21AB110474 | 8 | 12 | 20 |
| 4 | Akansha Deogade | 21AB110477 | 0 | 10 | 10 |
| 5 | Anushka Thakur | 21AB110479 | 8 | 12 | 20 |
| 6 | Atharva Gawande | 21AB110484 | 8 | 12 | 20 |
| 7 | Anisha Kadu | 21AB110478 | 00 | 00 | 00 |
| 8 | Dikshant Moon | 21AB110487 | 8 | 12 | 20 |
| 9 | Gayatri baburav Jadhav | 21AB110488 | 8 | 12 | 20 |
| 10 | Gayatri Moreshwarrao Raut | 21AB110489 | 8 | 12 | 20 |
| 11 | Gayatri Mehatre | 21AB110492 | 8 | 12 | 20 |
| 12 | Huzaif Akmal Zakir Ahmad | 21AB110494 | 8 | 12 | 20 |
| 13 | Jay Hore | 21AB110495 | 00 | 12 | 12 |
| 14 | Juhi D Uike | 21AB110496 | 8 | 12 | 20 |
| 15 | KalyaniKiran Thakare | 21AB110497 | 00 | 00 | 00 |
| 16 | Khushavant Vijay Gajbhiye | 21AB110498 | 8 | 12 | 20 |
| 17 | Komal Bharat Madavi | 21AB110501 | 8 | 10 | 18 |
| 18 | Maithili Rajabhau Ronghe | 21AB110505 | 8 | 12 | 20 |
| 19 | Minal Bhojraj Nikhar | 21AB110506 | 8 | 10 | 18 |
| 20 | Monika Nain | 21AB110507 | 8 | 12 | 20 |
| 21 | Naval Narendrarao Tondare | 21AB110508 | 8 | 12 | 20 |
| 22 | Nidhi satish shriwas | 21AB110510 | 8 | 12 | 20 |
| 23 | Nikita Sanjay Utale | 21AB110512 | 8 | 12 | 20 |
| 24 | Om k Bhoyar | 21AB110514 | 8 | 10 | 18 |
| 25 | PrashantRatnakarArekar | 21AB110522 | 8 | 12 | 20 |
| 26 | PrashikChavhan | 21AB110523 | 8 | 12 | 20 |
| 27 | PrathameshGajbhiye | 21AB110524 | 8 | 12 | 20 |
| 28 | Pratik Diliprao Golait | 21AB110525 | 8 | 12 | 20 |
| 29 | Pratiksha Sunilrao Ghawat | 21AB110528 | 8 | 7 | 15 |
| 30 | Puja Nachankar | 21AB110529 | 8 | 10 | 18 |
| 31 | Rajashri Tarare | 21AB110530 | 8 | 10 | 18 |
| 32 | Rano Thakur | 21AB110531 | 8 | 12 | 20 |
| 33 | Ritesh Alone | 21AB110533 | 8 | 12 | 20 |

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| | | | | | |
|---|---|---|---|---|---|
| 34 | Roshan Gulab Shah | 21AB110534 | 8 | 12 | 20 |
| 35 | Roshani Pradiprao Khandal | 21AB110535 | 8 | 12 | 20 |
| 36 | Rushikesh Narayan Rewade | 21AB110538 | 8 | 10 | 18 |
| 37 | Sahil Jitendra Borkar | 21AB110542 | 00 | 00 | 00 |
| 39 | Sakshiruparav Mete | 21AB110544 | 8 | 7 | 15 |
| 40 | Saniyakausar Riyaz Khan | 21AB110551 | 8 | 12 | 20 |
| 41 | Saniya Ratanlala Jaiswal | 21AB110552 | 8 | 12 | 20 |
| 42 | Sayli Kamble | 21AB110554 | 8 | 7 | 15 |
| 43 | Shaikh Shaikh Karim | 21AB110556 | 8 | 10 | 18 |
| 44 | Shatanand Amol Hiwarkar | 21AB110557 | 00 | 00 | 00 |
| 45 | Shraddha Malode | 21AB110558 | 8 | 12 | 20 |
| 46 | Shravani V. Vidulkar | 21AB110561 | 8 | 12 | 20 |
| 47 | Shruti Ganeshrao Raut | 21AB110563 | 8 | 12 | 20 |
| 48 | Shweta Nagrale | 21AB110565 | 00 | 10 | 10 |
| 49 | Snehal Babanrao Raut | 21AB110566 | 8 | 12 | 20 |
| 50 | Snehal Rajendra Chaudhari | 21AB110567 | 8 | 12 | 20 |
| 51 | SwaminiSudhakarSarave | 21AB110569 | 8 | 12 | 20 |
| 52 | Tejas Jolhe | 21AB110573 | 8 | 12 | 20 |
| 53 | Tejasvini Chavhan | 21AB110576 | 8 | 10 | 18 |
| 54 | Tejasvini Govind Kapile | 21AB110575 | 8 | 12 | 20 |
| 55 | Tushar Sanjayrao Hanwate | 21AB110578 | 8 | 12 | 20 |
| 56 | Twinkal Gajbhiye | 21AB110579 | 8 | 12 | 20 |
| 57 | Vaishnavi kale | 21AB110582 | 8 | 12 | 20 |
| 58 | Vedant Dhok | 21AB110584 | 8 | 12 | 20 |
| 59 | Vedant M. Thakare | 21AB110583 | 00 | 10 | 10 |
| 60 | Vikram Vilas Somkuwar | 21AB110586 | 8 | 10 | 18 |
| 61 | Pratiksha Vyawahare | 21AB110527 | 8 | 12 | 20 |
| 62 | Abhay Gawande | 21AB110472 | 8 | 7 | 15 |
| 63 | RushikeshKhadase | 21AB110539 | 8 | 8 | 16 |
| | | | | | |
| 64 | Sakshi Zatale | 21AB123379 | 4 | 8 | 12 |
| 65 | Sandesh ugale | 21AB110550 | 4 | 8 | 12 |

Name and Signatures of Teachers:

1 .....

2 .....

Date:

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dharmangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | First Test Date: 14/12/2021 Max marks: 30 | | Second Test Date: 11/01/2022 Max marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 1 | Abhishek Arvind Manke | 28 | Pass | 28 | Pass | 10 |
| 2 | Achal Dnyaneshwar Pinjari | 30 | Pass | 30 | Pass | 10 |
| 3 | Achal Raju Dafe | 30 | Pass | 26 | Pass | 10 |
| 4 | Aditya Duryodhan Nare | 30 | Pass | 30 | Pass | 10 |
| 5 | Aditya Sharad Mundafale | 14 | Pass | 14 | Pass | 05 |
| 6 | Akanksha Gajanan Guladhe | 26 | Pass | 26 | Pass | 10 |
| 7 | Akansha Avinash Mahalle | 30 | Pass | 30 | Pass | 10 |
| 8 | Amatulla Qaizar Husain Bohra | 30 | Pass | 26 | Pass | 10 |
| 9 | Amisha Dipakrao Patankar | 30 | Pass | 30 | Pass | 10 |
| 10 | Amit Narendrarao Hande | 30 | Pass | 30 | Pass | 10 |
| 11 | Ankita Narpatsing Rajpurohit | 08 | Fail | 26 | Pass | 10 |
| 12 | Anurag Vinod Choube | 26 | Pass | 28 | Pass | 10 |
| 13 | Ashutosh Sunil Garode | 30 | Pass | 30 | Pass | 10 |
| 14 | Atish Vijayrao Sute | 28 | Pass | 30 | Pass | 10 |
| 15 | Bhavesh Chandrashekhar Tapare | 30 | Pass | 30 | Pass | 10 |
| 16 | Bhushan Arunrao Amale | 12 | Pass | 08 | Fail | 05 |
| 17 | Chaitanya Pradiprao Bhende | 30 | Pass | 30 | Pass | 10 |
| 18 | Chanchal Rajendra Jadhao | 30 | Pass | 30 | Pass | 10 |
| 19 | Chetan Sandiprao Gurad | 30 | Pass | 26 | Pass | 10 |
| 20 | Devesh Sureshrao Chaware | 30 | Pass | 26 | Pass | 10 |
| 21 | Dipali Prakash Khandare | 30 | Pass | 28 | Pass | 10 |
| 22 | Gauri Brijpalsingh Thakur | 30 | Pass | 30 | Pass | 10 |
| 23 | Harshada Prashant Patil | 30 | Pass | 30 | Pass | 10 |
| 24 | Harshada Ravindra Pakhale | 28 | Pass | 30 | Pass | 10 |
| 25 | Janhavi Sanjay Verulkar | 30 | Pass | Absent | Absent | 10 |

Name and Signatures of Teachers:

1. Dr. S. S. Sharma

2. ----------

3. ----------

Date:

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | First Test Date: 14/12/2021 Max marks: 30 | | Second Test Date: 11/01/2022 Max marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 26 | Jash Vijay Kambale | 28 | Pass | 30 | Pass | 10 |
| 27 | Jay Prakash Shende | 30 | Pass | 30 | Pass | 10 |
| 28 | Kalyani Pradiprao Shitbhate | 30 | Pass | 28 | Pass | 10 |
| 29 | Kanchan Prafulrao Chandure | 30 | Pass | 30 | Pass | 10 |
| 30 | Kartik Pradiprao More | 30 | Pass | 30 | Pass | 10 |
| 31 | Madhavi Pramodrao Dabhade | 30 | Pass | 24 | Pass | 10 |
| 32 | Mayuri Prakashrao Raut | 30 | Pass | 26 | Pass | 10 |
| 33 | Meghana Chandrakant Khope | 30 | Pass | 30 | Pass | 10 |
| 34 | Metali Rajusing Chavhan | 30 | Pass | 28 | Pass | 10 |
| 35 | Namdeo Gajanan Madavi | Absent | Absent | Absent | Absent | 00 |
| 36 | Pranali Sunil Walke | 30 | Pass | 30 | Pass | 10 |
| 37 | Prapti Gajanan Panchbuaddhe | 30 | Pass | 30 | Pass | 10 |
| 38 | Prashik Rajiv Chatur | 30 | Pass | 28 | Pass | 10 |
| 39 | Pratik Rameshrao Sarode | 30 | Pass | 30 | Pass | 10 |
| 40 | Pravina Gajanan Pawar | 30 | Pass | 30 | Pass | 10 |
| 41 | Priyanka Dipak Motghare | 30 | Pass | 30 | Pass | 10 |
| 42 | Rashmi Nandkishorrao Raut | 30 | Pass | 30 | Pass | 10 |
| 43 | Renuka Mohan Khope | 28 | Pass | 30 | Pass | 10 |
| 44 | Rushali Sureshrao Nandane | 30 | Pass | 28 | Pass | 10 |
| 45 | Rutik Sudhakar Manohare | 30 | Pass | 30 | Pass | 10 |
| 46 | Ruttik Nandkishor Shende | 30 | Pass | 30 | Pass | 10 |
| 47 | Rutuja Rajendra Dakhore | 18 | Pass | 20 | Pass | 07 |
| 48 | Sampada Virendra Wankhade | 30 | Pass | 26 | Pass | 10 |
| 49 | Sanket Kishorrao Dhemare | 30 | Pass | 28 | Pass | 10 |
| 50 | Shital Digambar Rajankar | 30 | Pass | 30 | Pass | 10 |

Name and Signatures of Teachers:

1. Dr. S. S. Sharma (Dwedy)

2. ----------

3. ----------

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

Date:

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Sant Gadge Baba Amravati University, Amravati

**Record of Project Assignment (2021-22)**

Sant Gadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | First Test Date: 14/12/2021 Max marks: 30 | | Second Test Date: 11/01/2022 Max marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 51 | Shivani Bhanudasji Nachankar | Absent | Absent | 14 | Pass | 05 |
| 52 | Shivani Nilkanth Choudhari | 30 | Pass | 30 | Pass | 10 |
| 53 | Shreya Vinod Raut | 30 | Pass | 30 | Pass | 10 |
| 54 | Shruti Narendrarao Sangode | 30 | Pass | 30 | Pass | 10 |
| 55 | Shruti Rajendra Lakde | 30 | Pass | 28 | Pass | 10 |
| 56 | Shruti Ranjeetsingh Thakur | 30 | Pass | 30 | Pass | 10 |
| 57 | Snehal Arunrao Nandane | 10 | Fail | 20 | Pass | 07 |
| 58 | Snehal Narayanrao Gulhane | 30 | Pass | 30 | Pass | 10 |
| 59 | Snehal Rajesh Nagrale | 30 | Pass | 30 | Pass | 10 |
| 60 | Sumit Gajananrao Gotefode | 30 | Pass | 30 | Pass | 10 |
| 61 | Suvarna Giridhar Kashte | 30 | Pass | Absent | Absent | 10 |
| 62 | Tejas Arvind Tale | 30 | Pass | 18 | Pass | 10 |
| 63 | Tejas Sanjay Sawant | 30 | Pass | 20 | Pass | 10 |
| 64 | Tejaswini Vijay Zade | 30 | Pass | 28 | Pass | 10 |
| 65 | Unnati Pundlikrao Pande | 30 | Pass | 30 | Pass | 10 |
| 66 | Vaishnavi Kundanrao Jawanjal | 30 | Pass | 24 | Pass | 10 |
| 67 | Vaishnavi Vilasrao Panbude | 30 | Pass | 30 | Pass | 10 |
| 68 | Vedant Manohar Yelkar | 30 | Pass | 26 | Pass | 10 |
| 69 | Vedanti Vilas Chandan | 30 | Pass | 28 | Pass | 10 |
| 70 | Vipin Pramod Dhepe | 30 | Pass | 30 | Pass | 10 |
| 71 | Yash Haribhau Dhadse | 30 | Pass | 30 | Pass | 10 |
| 72 | Yash Jagadish Katgale | 18 | Pass | 30 | Pass | 10 |
| 73 | Yogita Bramhanand Kale | 30 | Pass | 22 | Pass | 10 |

Name and Signatures of Teachers:

1. Dr. S. S. Sharma

2. ----------

3. ----------

Date:

Signature of H.O.D.

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Principal

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Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 1 | Abhishek Arvind Manke | 04 |
| 2 | Achal Dnyaneshwar Pinjari | 04 |
| 3 | Achal Raju Dafe | 04 |
| 4 | Aditya Duryodhan Nare | 04 |
| 5 | Aditya Sharad Mundafale | 00 |
| 6 | Akanksha Gajanan Guladhe | 04 |
| 7 | Akansha Avinash Mahalle | 04 |
| 8 | Amatulla Qaizar Husain Bohra | 04 |
| 9 | Amisha Dipakrao Patankar | 04 |
| 10 | Amit Narendrarao Hande | 04 |
| 11 | Ankita Narpatsing Rajpurohit | 03 |
| 12 | Anurag Vinod Choube | 04 |
| 13 | Ashutosh Sunil Garode | 04 |
| 14 | Atish Vijayrao Sute | 04 |
| 15 | Bhavesh Chandrashekhar Tapare | 04 |
| 16 | Bhushan Arunrao Amale | 04 |
| 17 | Chaitanya Pradiprao Bhende | 04 |
| 18 | Chanchal Rajendra Jadhao | 04 |
| 19 | Chetan Sandiprao Gurad | 04 |
| 20 | Devesh Sureshrao Chaware | 04 |
| 21 | Dipali Prakash Khandare | 04 |
| 22 | Gauri Brijpalsingh Thakur | 04 |
| 23 | Harshada Prashant Patil | 04 |
| 24 | Harshada Ravindra Pakhale | 04 |
| 25 | Janhavi Sanjay Verulkar | 04 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

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Signature of H.O.D.

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Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

Date:

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Sant Gadge Baba Amravati University, Amravati

**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 26 | Jash Vijay Kambale | 04 |
| 27 | Jay Prakash Shende | 04 |
| 28 | Kalyani Pradiprao Shitbhate | 04 |
| 29 | Kanchan Prafulrao Chandure | 04 |
| 30 | Kartik Pradiprao More | 04 |
| 31 | Madhavi Pramodrao Dabhade | 04 |
| 32 | Mayuri Prakashrao Raut | 04 |
| 33 | Meghana Chandrakant Khope | 04 |
| 34 | Metali Rajusing Chavhan | 04 |
| 35 | Namdeo Gajanan Madavi | 00 |
| 36 | Pranali Sunil Walke | 04 |
| 37 | Prapti Gajanan Panchbuaddhe | 04 |
| 38 | Prashik Rajiv Chatur | 04 |
| 39 | Pratik Rameshrao Sarode | 04 |
| 40 | Pravina Gajanan Pawar | 04 |
| 41 | Priyanka Dipak Motghare | 04 |
| 42 | Rashmi Nandkishorrao Raut | 04 |
| 43 | Renuka Mohan Khope | 04 |
| 44 | Rushali Sureshrao Nandane | 04 |
| 45 | Rutik Sudhakar Manohare | 04 |
| 46 | Ruttik Nandkishor Shende | 04 |
| 47 | Rutuja Rajendra Dakhore | 04 |
| 48 | Sampada Virendra Wankhade | 04 |
| 49 | Sanket Kishorrao Dhemare | 00 |
| 50 | Shital Digambar Rajankar | 04 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2----------

3----------

Signature of H.O.D.

Verified

Principal

Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

Date:

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Sant Gadge Baba Amravati University, Amravati

**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 51 | Shivani Bhanudasji Nachankar | 00 |
| 52 | Shivani Nilkanth Choudhari | 04 |
| 53 | Shreya Vinod Raut | 04 |
| 54 | Shruti Narendrarao Sangode | 04 |
| 55 | Shruti Rajendra Lakde | 04 |
| 56 | Shruti Ranjeetsingh Thakur | 04 |
| 57 | Snehal Arunrao Nandane | 03 |
| 58 | Snehal Narayanrao Gulhane | 04 |
| 59 | Snehal Rajesh Nagrale | 04 |
| 60 | Sumit Gajananrao Gotefode | 04 |
| 61 | Suvarna Giridhar Kashte | 04 |
| 62 | Tejas Arvind Tale | 04 |
| 63 | Tejas Sanjay Sawant | 00 |
| 64 | Tejaswini Vijay Zade | 04 |
| 65 | Unnati Pundlikrao Pande | 04 |
| 66 | Vaishnavi Kundanrao Jawanjal | 04 |
| 67 | Vaishnavi Vilasrao Panbude | 04 |
| 68 | Vedant Manohar Yelkar | 04 |
| 69 | Vedanti Vilas Chandan | 04 |
| 70 | Vipin Pramod Dhepe | 04 |
| 71 | Yash Haribhau Dhadse | 00 |
| 72 | Yash Jagadish Katgale | 00 |
| 73 | Yogita Bramhanand Kale | 04 |

Name and Signatures of Teachers:

1---Dr. S. S. Sharma---

2----------

3----------

Signature of H.O.D.

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Principal

Date:

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Sant Gadge Baba Amravati University, Amravati

**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Seminar | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 1 | Abhishek Arvind Manke | Gradient, Divergence and Curl | 30/12/2021 | 06 |
| 2 | Achal Dnyaneshwar Pinjari | Hall Effect | 30/12/2021 | 06 |
| 3 | Achal Raju Dafe | Bipolar Junction Transistor | 20/12/2021 | 06 |
| 4 | Aditya Duryodhan Nare | Lorentz Force Equation | 24/12/2021 | 06 |
| 5 | Aditya Sharad Mundafale | Earthquakes: Causes, Types & Recording | -- | 00 |
| 6 | Akanksha Gajanan Guladhe | Faraday's Experiment & Faraday's Law | 21/12/2021 | 06 |
| 7 | Akansha Avinash Mahalle | Light Emitting Diode | 22/12/2021 | 06 |
| 8 | Amatulla Qaizar Husain Bohra | Field Effect Transistor | 24/12/2021 | 06 |
| 9 | Amisha Dipakrao Patankar | Length Contraction | 24/12/2021 | 03 |
| 10 | Amit Narendrarao Hande | Poynting Vector & Poynting Theorem | 23/12/2021 | 06 |
| 11 | Ankita Narpatsing Rajpurohit | Electromagnetic Wave in Free Space | 30/12/2021 | 03 |
| 12 | Anurag Vinod Choube | PN Junction Diode | 28/12/2021 | 06 |
| 13 | Ashutosh Sunil Garode | Operational Amplifier | 21/12/2021 | 06 |
| 14 | Atish Vijayrao Sute | Ampere's Law | 26/12/2021 | 06 |
| 15 | Bhavesh Chandrashekhar Tapare | Time Dilation | -- | 00 |
| 16 | Bhushan Arunrao Amale | Structure of Earth | -- | 00 |
| 17 | Chaitanya Pradiprao Bhende | Earth as a Planet | 24/12/2021 | 06 |
| 18 | Chanchal Rajendra Jadhao | Einstein Mass-Energy Relation | 24/12/2021 | 06 |
| 19 | Chetan Sandiprao Gurad | Gradient, Divergence and Curl | 30/12/2021 | 06 |
| 20 | Devesh Sureshrao Chaware | Hall Effect | 28/12/2021 | 06 |
| 21 | Dipali Prakash Khandare | Field Effect Transistor | 29/12/2021 | 06 |
| 22 | Gauri Brijpalsingh Thakur | Bipolar Junction Transistor | 29/12/2021 | 06 |
| 23 | Harshada Prashant Patil | Lorentz Force Equation | 30/12/2021 | 06 |
| 24 | Harshada Ravindra Pakhale | Earthquakes: Causes, Types & Recording | 28/12/2021 | 06 |
| 25 | Janhavi Sanjay Verulkar | Faraday's Experiment & Faraday's Law | 29/12/2021 | 06 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2 ----------

3 ----------

Date:

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Seminar | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 26 | Jash Vijay Kambale | Gradient, Divergence and Curl | 24/12/2021 | 06 |
| 27 | Jay Prakash Shende | Hall Effect | -- | 00 |
| 28 | Kalyani Pradiprao Shitbhate | Bipolar Junction Transistor | 22/12/2021 | 06 |
| 29 | Kanchan Prafulrao Chandure | Lorentz Force Equation | 24/12/2021 | 06 |
| 30 | Kartik Pradiprao More | Earthquakes: Causes, Types & Recording | 24/12/2021 | 03 |
| 31 | Madhavi Pramodrao Dabhade | Faraday's Experiment & Faraday's Law | 23/12/2021 | 03 |
| 32 | Mayuri Prakashrao Raut | Field Effect Transistor | 30/12/2021 | 06 |
| 33 | Meghana Chandrakant Khope | Length Contraction | 28/12/2021 | 06 |
| 34 | Metali Rajusing Chavhan | Electromagnetic Wave in Free Space | 21/12/2021 | 06 |
| 35 | Namdeo Gajanan Madavi | PN Junction Diode | -- | 00 |
| 36 | Pranali Sunil Walke | Operational Amplifier | 24/12/2021 | 06 |
| 37 | Prapti Gajanan Panchbuaddhe | Ampere's Law | 24/12/2021 | 06 |
| 38 | Prashik Rajiv Chatur | Time Dilation | 30/12/2021 | 06 |
| 39 | Pratik Rameshrao Sarode | Structure of Earth | 28/12/2021 | 06 |
| 40 | Pravina Gajanan Pawar | Light Emitting Diode | 29/12/2021 | 06 |
| 41 | Priyanka Dipak Motghare | Gradient, Divergence and Curl | 29/12/2021 | 06 |
| 42 | Rashmi Nandkishorrao Raut | Hall Effect | 29/12/2021 | 06 |
| 43 | Renuka Mohan Khope | Bipolar Junction Transistor | 29/12/2021 | 06 |
| 44 | Rushali Sureshrao Nandane | Lorentz Force Equation | 30/12/2021 | 06 |
| 45 | Rutik Sudhakar Manohare | Earthquakes: Causes, Types & Recording | 28/12/2021 | 06 |
| 46 | Ruttik Nandkishor Shende | Light Emitting Diode | 29/12/2021 | 06 |
| 47 | Rutuja Rajendra Dakhore | Faraday's Experiment & Faraday's Law | 24/12/2021 | 06 |
| 48 | Sampada Virendra Wankhade | Light Emitting Diode | 24/12/2021 | 06 |
| 49 | Sanket Kishorrao Dhemare | Field Effect Transistor | 29/12/2021 | 00 |
| 50 | Shital Digambar Rajankar | Length Contraction | 30/12/2021 | 06 |

Name and Signatures of Teachers:

1- Dr. S. S. Sharma

2----------

3----------

Signature of H.O.D.

Date:

Verified

Principal

PRINCIPAL

Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- III)**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Seminar | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 51 | Shivani Bhanudasji Nachankar | Electromagnetic Wave in Free Space | -- | 00 |
| 52 | Shivani Nilkanth Choudhari | PN Junction Diode | 30/12/2021 | 06 |
| 53 | Shreya Vinod Raut | Operational Amplifier | 28/12/2021 | 06 |
| 54 | Shruti Narendrarao Sangode | Ampere's Law | 29/12/2021 | 06 |
| 55 | Shruti Rajendra Lakde | Time Dilation | 29/12/2021 | 06 |
| 56 | Shruti Ranjeetsingh Thakur | Hall Effect | 29/12/2021 | 06 |
| 57 | Snehal Arunrao Nandane | Structure of Earth | -- | 00 |
| 58 | Snehal Narayanrao Gulhane | Earth as a Planet | 29/12/2021 | 06 |
| 59 | Snehal Rajesh Nagrale | Einstein Mass-Energy Relation | 24/12/2021 | 06 |
| 60 | Sumit Gajananrao Gotefode | Poynting Vector & Poynting Theorem | 24/12/2021 | 06 |
| 61 | Suvarna Giridhar Kashte | Relativity of Mass | 29/12/2021 | 06 |
| 62 | Tejas Arvind Tale | Radiation in the Atmosphere | 30/12/2021 | 06 |
| 63 | Tejas Sanjay Sawant | Gauss's Divergence Theorem | -- | 00 |
| 64 | Tejaswini Vijay Zade | Extrinsic Semiconductor & Energy Level Diagram | 30/12/2021 | 06 |
| 65 | Unnati Pundlikrao Pande | Stokes Theorem | 24/12/2021 | 06 |
| 66 | Vaishnavi Kundanrao Jawanjal | Lorentz Transformation | 24/12/2021 | 06 |
| 67 | Vaishnavi Vilasrao Panbude | Gradient, Divergence and Curl | 23/12/2021 | 06 |
| 68 | Vedant Manohar Yelkar | Hall Effect | 30/12/2021 | 06 |
| 69 | Vedanti Vilas Chandan | Bipolar Junction Transistor | 28/12/2021 | 03 |
| 70 | Vipin Pramod Dhepe | Lorentz Force Equation | 23/12/2021 | 06 |
| 71 | Yash Haribhau Dhadse | Earthquakes: Causes, Types & Recording | -- | 00 |
| 72 | Yash Jagadish Katgale | Faraday's Experiment & Faraday's Law | -- | 00 |
| 73 | Yogita Bramhanand Kale | Light Emitting Diode | 28/12/2021 | 06 |

Name and Signatures of Teachers:

1- Dr. S. S. Sharma

2----------

3----------

Date:

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – III, Winter – 2021**

Subject: **Physics**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: **Dr. S. S. Sharma**

| S. N. | Roll No. | Name of the Student | Marks awarded | | | |
|---|---|---|---|---|---|---|
| | | | Assignment/ **Project** **Max. Marks: 04** | **Seminar** / Group discussion / Study tour / Industrial visit / Visit to educational institutes / research organization / field work etc. **Max Marks: 06** | Class test **Max Marks: 10** | Total **Max Marks: 20** |
| 1 | 21AB310669 | Abhishek Arvind Manke | 04 | 06 | 10 | 20 |
| 2 | 21AB310670 | Achal Dnyaneshwar Pinjari | 04 | 06 | 10 | 20 |
| 3 | 21AB310671 | Achal Raju Dafe | 04 | 06 | 10 | 20 |
| 4 | 21AB310673 | Aditya Duryodhan Nare | 04 | 06 | 10 | 20 |
| 5 | 21AB310674 | Aditya Sharad Mundafale | 00 | 00 | 05 | 05 |
| 6 | 21AB310676 | Akanksha Gajanan Guladhe | 04 | 06 | 10 | 20 |
| 7 | 21AB310677 | Akansha Avinash Mahalle | 04 | 06 | 10 | 20 |
| 8 | 21AB310678 | Amatulla Qaizar Husain Bohra | 04 | 06 | 10 | 20 |
| 9 | 21AB310679 | Amisha Dipakrao Patankar | 04 | 03 | 10 | 17 |
| 10 | 21AB310680 | Amit Narendrarao Hande | 04 | 06 | 10 | 20 |
| 11 | 21AB310682 | Ankita Narpatsing Rajpurohit | 03 | 03 | 10 | 16 |
| 12 | 21AB310686 | Anurag Vinod Choube | 04 | 06 | 10 | 20 |
| 13 | 21AB310688 | Ashutosh Sunil Garode | 04 | 06 | 10 | 20 |
| 14 | 21AB310690 | Atish Vijayrao Sute | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2 ----------

Date:

Signature of H.O.D.

Verified

Principal

Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – III, Winter – 2021**

Subject: **Physics**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: **Dr. S. S. Sharma**

| | | | | | | |
|---|---|---|---|---|---|---|
| 15 | 21AB310691 | Bhavesh Chandrashekhar Tapare | 04 | 00 | 10 | 14 |
| 16 | 21AB310692 | Bhushan Arunrao Amale | 04 | 00 | 05 | 09 |
| 17 | 21AB310693 | Chaitanya Pradiprao Bhende | 04 | 06 | 10 | 20 |
| 18 | 21AB310694 | Chanchal Rajendra Jadhao | 04 | 06 | 10 | 20 |
| 19 | 21AB310695 | Chetan Sandiprao Gurad | 04 | 06 | 10 | 20 |
| 20 | 21AB310696 | Devesh Sureshrao Chaware | 04 | 06 | 10 | 20 |
| 21 | 21AB310698 | Dipali Prakash Khandare | 04 | 06 | 10 | 20 |
| 22 | 21AB310699 | Gauri Brijpalsingh Thakur | 04 | 06 | 10 | 20 |
| 23 | 21AB310703 | Harshada Prashant Patil | 04 | 06 | 10 | 20 |
| 24 | 21AB310704 | Harshada Ravindra Pakhale | 04 | 06 | 10 | 20 |
| 25 | 21AB310705 | Janhavi Sanjay Verulkar | 04 | 06 | 10 | 20 |
| 26 | 21AB310706 | Jash Vijay Kambale | 04 | 06 | 10 | 20 |
| 27 | 21AB310707 | Jay Prakash Shende | 04 | 00 | 10 | 14 |
| 28 | 21AB310708 | Kalyani Pradiprao Shitbhate | 04 | 06 | 10 | 20 |
| 29 | 21AB310709 | Kanchan Prafulrao Chandure | 04 | 06 | 10 | 20 |
| 30 | 21AB310710 | Kartik Pradiprao More | 04 | 03 | 10 | 17 |
| 31 | 21AB310713 | Madhavi Pramodrao Dabhade | 04 | 03 | 10 | 17 |
| 32 | 21AB310714 | Mayuri Prakashrao Raut | 04 | 06 | 10 | 20 |
| 33 | 21AB310715 | Meghana Chandrakant Khope | 04 | 06 | 10 | 20 |
| 34 | 21AB310716 | Metali Rajusing Chavhan | 04 | 06 | 10 | 20 |
| 35 | 21AB310718 | Namdeo Gajanan Madavi | 00 | 00 | 00 | 00 |
| 36 | 21AB310722 | Pranali Sunil Walke | 04 | 06 | 10 | 20 |
| 37 | 21AB310723 | Prapti Gajanan Panchbuaddhe | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2 ----------

Date:

Signature of H.O.D.

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – III, Winter – 2021**

Subject: **Physics**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: **Dr. S. S. Sharma**

| | | | | | | |
|---|---|---|---|---|---|---|
| 38 | 21AB310724 | Prashik Rajiv Chatur | 04 | 06 | 10 | 20 |
| 39 | 21AB310725 | Pratik Rameshrao Sarode | 04 | 06 | 10 | 20 |
| 40 | 21AB310727 | Pravina Gajanan Pawar | 04 | 06 | 10 | 20 |
| 41 | 21AB310728 | Priyanka Dipak Motghare | 04 | 06 | 10 | 20 |
| 42 | 21AB310731 | Rashmi Nandkishorrao Raut | 04 | 06 | 10 | 20 |
| 43 | 21AB310732 | Renuka Mohan Khope | 04 | 06 | 10 | 20 |
| 44 | 21AB310733 | Rushali Sureshrao Nandane | 04 | 06 | 10 | 20 |
| 45 | 21AB310734 | Rutik Sudhakar Manohare | 04 | 06 | 10 | 20 |
| 46 | 21AB310735 | Ruttik Nandkishor Shende | 04 | 06 | 10 | 20 |
| 47 | 21AB310736 | Rutuja Rajendra Dakhore | 04 | 06 | 07 | 17 |
| 48 | 21AB310743 | Sampada Virendra Wankhade | 04 | 06 | 10 | 20 |
| 49 | 21AB310746 | Sanket Kishorrao Dhemare | 00 | 00 | 10 | 10 |
| 50 | 21AB310749 | Shital Digambar Rajankar | 04 | 06 | 10 | 20 |
| 51 | 21AB310751 | Shivani Bhanudasji Nachankar | 00 | 00 | 05 | 05 |
| 52 | 21AB310752 | Shivani Nilkanth Choudhari | 04 | 06 | 10 | 20 |
| 53 | 21AB310755 | Shreya Vinod Raut | 04 | 06 | 10 | 20 |
| 54 | 21AB310756 | Shruti Narendrarao Sangode | 04 | 06 | 10 | 20 |
| 55 | 21AB310757 | Shruti Rajendra Lakde | 04 | 06 | 10 | 20 |
| 56 | 21AB310758 | Shruti Ranjeetsingh Thakur | 04 | 06 | 10 | 20 |
| 57 | 21AB310759 | Snehal Arunrao Nandane | 03 | 00 | 07 | 10 |
| 58 | 21AB310761 | Snehal Narayanrao Gulhane | 04 | 06 | 10 | 20 |
| 59 | 21AB310762 | Snehal Rajesh Nagrale | 04 | 06 | 10 | 20 |
| 60 | 21AB310764 | Sumit Gajananrao Gotefode | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2

Date:

Signature of H.O.D.

Verified
Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Record of Class Test (2021-22)**

me of the college: Adarsha Science, J. B. Arts & Birla Commerce M...

Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – III, Winter – 2021**

Subject: **Physics**

Paper (with title): Electrodynamics, Solid state electronic devices, Special theory of relativity, Atmosphere and Geophysics

Name of the Teacher: **Dr. S. S. Sharma**

| | | | | | | |
|---|---|---|---|---|---|---|
| 61 | 21AB310765 | Suvarna Giridhar Kashte | 04 | 06 | 10 | 20 |
| 62 | 21AB310766 | Tejas Arvind Tale | 04 | 06 | 10 | 20 |
| 63 | 21AB310767 | Tejas Sanjay Sawant | 00 | 00 | 10 | 10 |
| 64 | 21AB310769 | Tejaswini Vijay Zade | 04 | 06 | 10 | 20 |
| 65 | 21AB310770 | Unnati Pundlikrao Pande | 04 | 06 | 10 | 20 |
| 66 | 21AB310772 | Vaishnavi Kundanrao Jawanjal | 04 | 06 | 10 | 20 |
| 67 | 21AB310775 | Vaishnavi Vilasrao Panbude | 04 | 06 | 10 | 20 |
| 68 | 21AB310776 | Vedant Manohar Yelkar | 04 | 06 | 10 | 20 |
| 69 | 21AB310777 | Vedanti Vilas Chandan | 04 | 03 | 10 | 17 |
| 70 | 21AB310778 | Vipin Pramod Dhepe | 04 | 06 | 10 | 20 |
| 71 | 21AB310780 | Yash Haribhau Dhadse | 00 | 00 | 10 | 10 |
| 72 | 21AB310781 | Yash Jagadish Katgale | 00 | 00 | 10 | 10 |
| 73 | 21AB310782 | Yogita Bramhanand Kale | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1- Dr. S. S. Sharma

2----------

Date:

Signature of H.O.D.

Verified
Principal
PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM - V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | First Test Date: 16/12/2021 Maximum marks: 30 | | Second Test Date: 06/01/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 1 | Achal Sharad Jagtap | 23 | Pass | 25 | Pass | 10 |
| 2 | Akanksha Gajanan Gulhane | 25 | Pass | 21 | Pass | 10 |
| 3 | Akanksha Rajendra Bhujbal | 26 | Pass | 26 | Pass | 10 |
| 4 | Akansha Dinesh Gawande | 21 | Pass | 24 | Pass | 10 |
| 5 | Akshay Bandu Lawankar | 23 | Pass | 20 | Pass | 07 |
| 6 | Alfiya Yunus Shaha | 24 | Pass | 27 | Pass | 10 |
| 7 | Alisha Jayprakash Bhagat | 24 | Pass | 23 | Pass | 10 |
| 8 | Amruta Milind Tinkhede | 16 | Pass | 24 | Pass | 10 |
| 9 | Aniket Anil Gajbhiye | 17 | Pass | 22 | Pass | 07 |
| 10 | Ankita Dilip Hiwarkar | 23 | Pass | 24 | Pass | 10 |
| 11 | Anushri Hiraman Bhagat | 23 | Pass | 23 | Pass | 07 |
| 12 | Arpita Sunil Kadu | 26 | Pass | 27 | Pass | 10 |
| 13 | Ashlesha Ramdas Walke | 21 | Pass | 23 | Pass | 07 |
| 14 | Atharva Anil Deshpande | 26 | Pass | 21 | Pass | 10 |
| 15 | Bhagyashree A. Waghade | 20 | Pass | 26 | Pass | 10 |
| 16 | Bharavi Pradip Gandole | 28 | Pass | 27 | Pass | 10 |
| 17 | Chanchal Bhojraj Nikhar | 28 | Pass | 21 | Pass | 10 |
| 18 | Chhaya Ramdas Dandare | 21 | Pass | 25 | Pass | 10 |
| 19 | Disha Ashok Kachave | 25 | Pass | 21 | Pass | 10 |
| 20 | Gopal Sanjay Pawase | 26 | Pass | 22 | Pass | 10 |
| 21 | Indrayani Yogiraj Thakare | 26 | Pass | 20 | Pass | 10 |
| 22 | Kartika Krushna Kadu | 20 | Pass | 26 | Pass | 10 |
| 23 | Khushi Prasanna Bhandari | 26 | Pass | 21 | Pass | 10 |
| 24 | Komal Prakash Velukar | 24 | Pass | 23 | Pass | 10 |
| 25 | Labhanshu Mohan Jadhav | 23 | Pass | 22 | Pass | 07 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Date: 22/01/2022

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM - V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | First Test Date: 23/03/2022 Maximum marks: 30 | | Second Test Date: 04/05/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 26 | Lekha Chetan Kothari | 26 | Pass | 25 | Pass | 10 |
| 27 | Madhuri P. Bhamkar | 25 | Pass | 23 | Pass | 10 |
| 28 | Manasvi Suhas Khurpade | ABSENT | ABSENT | ABSENT | ABSENT | 00 |
| 29 | Minakshi Gopal Agrawal | 29 | Pass | 25 | Pass | 10 |
| 30 | Monali Rajendra Thakare | 26 | Pass | 26 | Pass | 10 |
| 31 | Mrunal Gajanan Punwatkar | 21 | Pass | 27 | Pass | 10 |
| 32 | Nishigandha S. Kannake | 16 | Pass | 22 | Pass | 07 |
| 33 | Nutan Prabhakar Lamkase | 26 | Pass | 25 | Pass | 10 |
| 34 | Omprakash Gajanan Tayade | 25 | Pass | 18 | Pass | 10 |
| 35 | Pallavi Vijay Badhiye | 24 | Pass | 20 | Pass | 10 |
| 36 | Payal Chandrashekhar Tarpe | 26 | Pass | 21 | Pass | 10 |
| 37 | Pooja Diliprao Chakole | 21 | Pass | 23 | Pass | 07 |
| 38 | Prajakta Gajanan Kadu | 25 | Pass | 25 | Pass | 10 |
| 39 | Prajwal Jayvant Patil | 26 | Pass | 21 | Pass | 10 |
| 40 | Prajwal Sanjay Savalkar | 25 | Pass | 21 | Pass | 10 |
| 41 | Prajwala Manoj Tirmare | 25 | Pass | 21 | Pass | 10 |
| 42 | Prajyot Milind Pahade | 26 | Pass | 20 | Pass | 10 |
| 43 | Pratik G. Kalsait | 26 | Pass | 19 | Pass | 10 |
| 44 | Pratik Suresh Randale | ABSENT | ABSENT | ABSENT | ABSENT | 00 |
| 45 | Pritam Prakash Ingole | 18 | Pass | 24 | Pass | 10 |
| 46 | Punam Ramesh Kale | 25 | Pass | 25 | Pass | 10 |
| 47 | Rajashri Rajesh Lad | 18 | Pass | 23 | Pass | 07 |
| 48 | Rushikesh Pramod | 21 | Pass | 18 | Pass | 07 |
| 49 | Sakshi Banduji Malode | 26 | Pass | 26 | Pass | 10 |
| 50 | Sakshi Haridas Dhole | 26 | Pass | 26 | Pass | 10 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Date: 22/1/22

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM - V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | First Test Date: 23/03/2022 Maximum marks: 30 | | Second Test Date: 04/05/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 51 | Sakshi Nilesh Mankar | 23 | Pass | 29 | Pass | 10 |
| 52 | Sakshi Ravindra Thakare | 20 | Pass | 25 | Pass | 10 |
| 53 | Sakshi Subhash Rajgure | 23 | Pass | 29 | Pass | 10 |
| 54 | Sakshi Sushil Paliwal | 23 | Pass | 22 | Pass | 07 |
| 55 | Saurabh Ranjan Ajbale | ABSENT | ABSENT | ABSENT | ABSENT | 00 |
| 56 | Saurabh Rangrao Thombare | 16 | Pass | 20 | Pass | 07 |
| 57 | Shreya Rajkumar Tale | 23 | Pass | 26 | Pass | 10 |
| 58 | Shruti Shankar Sultane | 16 | Pass | 23 | Pass | 07 |
| 59 | Shweta Hiralal Bawangade | 26 | Pass | 19 | Pass | 10 |
| 60 | Shweta Sanjay Ingale | 21 | Pass | 25 | Pass | 10 |
| 61 | Sonal Sudhir Taksande | 23 | Pass | 27 | Pass | 10 |
| 62 | Sudarshan Gopal Deshpande | ABSENT | ABSENT | ABSENT | ABSENT | 00 |
| 63 | Swapnil Shridhar Pataliya | 23 | Pass | 22 | Pass | 07 |
| 64 | Tanvi Chandrashekhar Mete | 25 | Pass | 21 | Pass | 10 |
| 65 | Tanvi Vinod Gorde | 25 | Pass | 21 | Pass | 10 |
| 66 | Tejal Narendra Hande | 25 | Pass | 25 | Pass | 10 |
| 67 | Trupti S. Meshram | 21 | Pass | 24 | Pass | 10 |
| 68 | Vaishnavi D. Waghade | 20 | Pass | 26 | Pass | 10 |
| 69 | Vaishnavi G. Bhongade | ABSENT | ABSENT | ABSENT | ABSENT | 00 |
| 70 | Vaishnavi Khushal Ronghe | 25 | Pass | 25 | Pass | 10 |
| 71 | Vaishnavi Kisan Jadhav | 26 | Pass | 20 | Pass | 10 |
| 72 | Vaishnavi Raju Kalsarpe | 18 | Pass | 23 | Pass | 07 |
| 73 | Vallari Amol Hiwarkar | 24 | Pass | 26 | Pass | 10 |
| 74 | Vedika Govind Mankar | 24 | Pass | 26 | Pass | 10 |
| 75 | Yogita Ishwar Jambhulkar | ABSENT | ABSENT | ABSENT | ABSENT | 00 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Date: 27/01/2022

Signature of H.O.D.

Verified
Principal

Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya, Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM - V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 1 | Achal Sharad Jagtap | 04 |
| 2 | Akanksha Gajanan Gulhane | 04 |
| 3 | Akanksha Rajendra Bhujbal | 04 |
| 4 | Akansha Dinesh Gawande | 04 |
| 5 | Akshay Bandu Lawankar | 04 |
| 6 | Alfiya Yunus Shaha | 04 |
| 7 | Alisha Jayprakash Bhagat | 04 |
| 8 | Amruta Milind Tinkhede | 04 |
| 9 | Aniket Anil Gajbhiye | 04 |
| 10 | Ankita Dilip Hiwarkar | 04 |
| 11 | Anushri Hiraman Bhagat | 04 |
| 12 | Arpita Sunil Kadu | 04 |
| 13 | Ashlesha Ramdas Walke | 04 |
| 14 | Atharva Anil Deshpande | 04 |
| 15 | Bhagyashree Ashok Waghade | 04 |
| 16 | Bharavi Pradip Gandole | 04 |
| 17 | Chanchal Bhojraj Nikhar | 04 |
| 18 | Chhaya Ramdas Dandare | 04 |
| 19 | Disha Ashok Kachave | 04 |
| 20 | Gopal Sanjay Pawase | 04 |
| 21 | Indrayani Yogiraj Thakare | 04 |
| 22 | Kartika Krushna Kadu | 04 |
| 23 | Khushi Prasanna Bhandari | 04 |
| 24 | Komal Prakash Velukar | 04 |
| 25 | Labhanshu Mohan Jadhav | 04 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

Date: 22/01/2022

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM - V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 26 | Lekha Chetan Kothari | 04 |
| 27 | Madhuri Prathamraj Bhamkar | 04 |
| 28 | Manasvi Suhas Khurpade | 00 |
| 29 | Minakshi Gopal Agrawal | 04 |
| 30 | Monali Rajendra Thakare | 04 |
| 31 | Mrunal Gajanan Punwatkar | 04 |
| 32 | Nishigandha Subhash Kannake | 04 |
| 33 | Nutan Prabhakar Lamkase | 04 |
| 34 | Omprakash Gajanan Tayade | 04 |
| 35 | Pallavi Vijay Badhiye | 04 |
| 36 | Payal Chandrashekhar Tarpe | 04 |
| 37 | Pooja Diliprao Chakole | 03 |
| 38 | Prajakta Gajanan Kadu | 04 |
| 39 | Prajwal Jayvant Patil | 04 |
| 40 | Prajwal Sanjay Savalkar | 04 |
| 41 | Prajwala Manoj Tirmare | 04 |
| 42 | Prajyot Milind Pahade | 04 |
| 43 | Pratik G. Kalsait | 04 |
| 44 | Pratik Suresh Randale | 00 |
| 45 | Pritam Prakash Ingole | 04 |
| 46 | Punam Ramesh Kale | 04 |
| 47 | Rajashri Rajesh Lad | 04 |
| 48 | Rushikesh Pramod Nandeshwar | 04 |
| 49 | Sakshi Banduji Malode | 04 |
| 50 | Sakshi Haridas Dhole | 04 |

Name and Signatures of Teachers:

1. G.S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

Date: 27/01/2022

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM - V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 51 | Sakshi Nilesh Mankar | 04 |
| 52 | Sakshi Ravindra Thakare | 04 |
| 53 | Sakshi Subhash Rajgure | 04 |
| 54 | Sakshi Sushil Paliwal | 04 |
| 55 | Saurabh Ranjan Ajbale | 00 |
| 56 | Saurabh Rangrao Thombare | 03 |
| 57 | Shreya Rajkumar Tale | 04 |
| 58 | Shruti Shankar Sultane | 03 |
| 59 | Shweta Hiralal Bawangade | 04 |
| 60 | Shweta Sanjay Ingale | 04 |
| 61 | Sonal Sudhir Taksande | 04 |
| 62 | Sudarshan Gopal Deshpande | 00 |
| 63 | Swapnil Shridhar Pataliya | 04 |
| 64 | Tanvi Chandrashekhar Mete | 04 |
| 65 | Tanvi Vinod Gorde | 04 |
| 66 | Tejal Narendra Hande | 04 |
| 67 | Trupti Shuddhodhan Meshram | 04 |
| 68 | Vaishnavi D. Waghade | 04 |
| 69 | Vaishnavi Gunwant Bhongade | 00 |
| 70 | Vaishnavi Khushal Ronghe | 04 |
| 71 | Vaishnavi Kisan Jadhav | 00 |
| 72 | Vaishnavi Raju Kalsarpe | 04 |
| 73 | Vallari Amol Hiwarkar | 04 |
| 74 | Vedika Govind Mankar | 04 |
| 75 | Yogita Ishwar Jambhulkar | 00 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

Date: 22/01/2022

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Sant Gadge Baba Amravati University, Amravati

**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM – V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | Seminar Topic | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 1 | Achal Sharad Jagtap | De Broglie Hypothesis | 23/12/2021 | 06 |
| 2 | Akanksha Gajanan Gulhane | De Broglie Hypothesis | 23/12/2021 | 06 |
| 3 | Akanksha Rajendra Bhujbal | De Broglie Hypothesis | 24/12/2021 | 06 |
| 4 | Akansha Dinesh Gawande | Feedback in amplifiers | 24/12/2021 | 06 |
| 5 | Akshay Bandu Lawankar | De Broglie Hypothesis | 31/12/2021 | 06 |
| 6 | Alfiya Yunus Shaha | Feedback in amplifiers | 24/12/2021 | 06 |
| 7 | Alisha Jayprakash Bhagat | Feedback in amplifiers | 24/12/2021 | 06 |
| 8 | Amruta Milind Tinkhede | Classification of power amplifiers | 22/12/2021 | 06 |
| 9 | Aniket Anil Gajbhiye | Classification of power amplifiers | 22/12/2021 | 06 |
| 10 | Ankita Dilip Hiwarkar | Feedback in amplifiers | 23/12/2021 | 06 |
| 11 | Anushri Hiraman Bhagat | H- parameters and H – parameter equivalent circuit of CE amplifier | 24/12/2021 | 06 |
| 12 | Arpita Sunil Kadu | Classification of power amplifiers | 23/12/2021 | 06 |
| 13 | Ashlesha Ramdas Walke | Classification of power amplifiers | 23/12/2021 | 06 |
| 14 | Atharva Anil Deshpande | H- parameters and H – parameter equivalent circuit of CE amplifier | 23/12/2021 | 06 |
| 15 | Bhagyashree A. Waghade | H- parameters and H – parameter equivalent circuit of CE amplifier | 26/12/2021 | 06 |
| 16 | Bharavi Pradip Gandole | Bias Stability and Thermal Runway | 23/12/2021 | 06 |
| 17 | Chanchal Bhojraj Nikhar | H- parameters and H – parameter equivalent circuit of CE amplifier | 31/12/2021 | 03 |
| 18 | Chhaya Ramdas Dandare | RC coupled amplifiers | 24/12/2021 | 06 |
| 19 | Disha Ashok Kachave | Bias Stability and Thermal Runway | 23/12/2021 | 06 |
| 20 | Gopal Sanjay Pawase | Bias Stability and Thermal Runway | 29/12/2021 | 06 |
| 21 | Indrayani Yogiraj Thakare | Bias Stability and Thermal Runway | 22/12/2021 | 06 |
| 22 | Kartika Krushna Kadu | RC coupled amplifiers | 30/12/2021 | 06 |
| 23 | Khushi Prasanna Bhandari | RC coupled amplifiers | 22/12/2021 | 06 |
| 24 | Komal Prakash Velukar | Noise and Distortion | 20/12/2021 | 06 |
| 25 | Labhanshu Mohan Jadhav | Noise and Distortion | 22/12/2021 | 06 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

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Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Date: 22/01/2022

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**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM – V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | Seminar Topic | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 26 | Lekha Chetan Kothari | Heisenberg's Uncertainty Principle | 18/12/2021 | 06 |
| 27 | Madhuri P. Bhamkar | Heisenberg's Uncertainty Principle | 22/12/2021 | 06 |
| 28 | Manasvi Suhas Khurpade | ABSENT | -- | 00 |
| 29 | Minakshi Gopal Agrawal | l – s and j – j coupling | 22/12/2021 | 06 |
| 30 | Monali Rajendra Thakare | RC coupled amplifiers | 23/12/2021 | 06 |
| 31 | Mrunal Gajanan Punwatkar | Noise and Distortion | 23/12/2021 | 06 |
| 32 | Nishigandha S. Kannake | Raman effect | 22/12/2021 | 06 |
| 33 | Nutan Prabhakar Lamkase | Stern Gerlach Experiment | 18/12/2021 | 06 |
| 34 | Omprakash Gajanan Tayade | Heisenberg's Uncertainty Principle | 23/12/2021 | 06 |
| 35 | Pallavi Vijay Badhiye | X - Rays | 22/12/2021 | 06 |
| 36 | Payal C. Tarpe | l – s and j – j coupling | 24/01/2022 | 03 |
| 37 | Pooja Diliprao Chakole | Noise and Distortion | 24/12/2021 | 06 |
| 38 | Prajakta Gajanan Kadu | Stern Gerlach Experiment | 23/12/2021 | 06 |
| 39 | Prajwal Jayvant Patil | Raman effect | 30/12/2021 | 06 |
| 40 | Prajwal Sanjay Savalkar | X - Rays | 29/12/2021 | 06 |
| 41 | Prajwala Manoj Tirmare | Vector atom model | 22/12/2021 | 06 |
| 42 | Prajyot Milind Pahade | ABSENT | -- | 00 |
| 43 | Pratik G. Kalsait | ABSENT | -- | 00 |
| 44 | Pratik Suresh Randale | ABSENT | -- | 00 |
| 45 | Pritam Prakash Ingole | l – s and j – j coupling | 27/12/2021 | 06 |
| 46 | Punam Ramesh Kale | Raman effect | 20/12/2021 | 06 |
| 47 | Rajashri Rajesh Lad | X - Rays | 02/01/2022 | 06 |
| 48 | Rushikesh P. Nandeshwar | ABSENT | -- | 00 |
| 49 | Sakshi Banduji Malode | Stern Gerlach Experiment | 23/12/2021 | 06 |
| 50 | Sakshi Haridas Dhole | Vector atom model | 23/12/2021 | 06 |

Name and Signatures of Teachers:

1. G-S. Mendhe

2. ----------

3. ----------

Date: 22/01/2022

Signature of H.O.D.

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Dhamangaon Rly.

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**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM – V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Name of the Student | Seminar Topic | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 51 | Sakshi Nilesh Mankar | Davisson and Germer Experiment | 23/12/2021 | 06 |
| 52 | Sakshi Ravindra Thakare | Analysis of CE amplifiers using H - parameters | 23/12/2021 | 06 |
| 53 | Sakshi Subhash Rajgure | Oscillator and Phase Shift Oscillator | 23/12/2021 | 06 |
| 54 | Sakshi Sushil Paliwal | Oscillator and Phase Shift Oscillator | 24/12/2021 | 06 |
| 55 | Saurabh Ranjan Ajbale | ABSENT | -- | 00 |
| 56 | Saurabh Rangrao Thombare | ABSENT | -- | 00 |
| 57 | Shreya Rajkumar Tale | Oscillator and Wein Bridge Oscillator | 23/12/2021 | 06 |
| 58 | Shruti Shankar Sultane | ABSENT | -- | 00 |
| 59 | Shweta Hiralal Bawangade | Hartley and Colpitts Oscillator | 23/12/2021 | 06 |
| 60 | Shweta Sanjay Ingale | Analysis of CE amplifiers using H - parameters | 22/12/2021 | 06 |
| 61 | Sonal Sudhir Taksande | Astable Multivibrator | 23/12/2021 | 06 |
| 62 | Sudarshan G. Deshpande | ABSENT | -- | 00 |
| 63 | Swapnil Shridhar Pataliya | Monostable Multivibrator | 27/12/2021 | 06 |
| 64 | Tanvi Chandrashekhar Mete | Bistable Multivibrator | 23/12/2021 | 06 |
| 65 | Tanvi Vinod Gorde | Astable Multivibrator | 19/12/2021 | 06 |
| 66 | Tejal Narendra Hande | Classification of power amplifiers | 23/12/2021 | 06 |
| 67 | Trupti S. Meshram | l – s and j – j coupling | 24/12/2021 | 06 |
| 68 | Vaishnavi D. Waghade | Raman effect | 02/01/2022 | 06 |
| 69 | Vaishnavi G. Bhongade | ABSENT | -- | 00 |
| 70 | Vaishnavi Khushal Ronghe | H- parameters and H – parameter equivalent circuit of CE amplifier | 23/12/2021 | 06 |
| 71 | Vaishnavi Kisan Jadhav | ABSENT | -- | 00 |
| 72 | Vaishnavi Raju Kalsarpe | X - Rays | 02/01/2022 | 06 |
| 73 | Vallari Amol Hiwarkar | Bistable Multivibrator | 19/12/2021 | 06 |
| 74 | Vedika Govind Mankar | Classification of power amplifiers | 18/12/2021 | 06 |
| 75 | Yogita Ishwar Jambhulkar | ABSENT | -- | 00 |

Name and Signatures of Teachers:

1. G S Mendhe

2. ----------

3. ----------

Date: 22/01/2022

Signature of H.O.D.

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Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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**Record of Internal Assessment Marks (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM - V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Roll No. | Name of the Student | Project assignment Max. Marks:-04 | Seminar/group discussion/study tour/Industrial visit/visit to educational institutes/research organization/field work etc Max marks 06 | Class test Max. Marks:-10 | Total Max. Marks:-20 |
|---|---|---|---|---|---|---|
| 1 | 21AB510543 | Achal Sharad Jagtap | 04 | 06 | 10 | 20 |
| 2 | 21AB510545 | Akanksha Gajanan Gulhane | 04 | 06 | 10 | 20 |
| 3 | 21AB510546 | Akanksha Rajendra Bhujbal | 04 | 06 | 10 | 20 |
| 4 | 21AB510547 | Akansha Dinesh Gawande | 04 | 06 | 10 | 20 |
| 5 | 21AB510549 | Akshay Bandu Lawankar | 04 | 06 | 07 | 17 |
| 6 | 21AB510550 | Alfiya Yunus Shaha | 04 | 06 | 10 | 20 |
| 7 | 21AB510551 | Alisha Jayprakash Bhagat | 04 | 06 | 10 | 20 |
| 8 | 21AB510552 | Amruta Milind Tinkhede | 04 | 06 | 10 | 20 |
| 9 | 21AB510553 | Aniket Anil Gajbhiye | 04 | 06 | 07 | 17 |
| 10 | 21AB510554 | Ankita Dilip Hiwarkar | 04 | 06 | 10 | 20 |
| 11 | 21AB510555 | Anushri Hiraman Bhagat | 04 | 06 | 07 | 17 |
| 12 | 21AB510557 | Arpita Sunil Kadu | 04 | 06 | 10 | 20 |
| 13 | 21AB510558 | Ashlesha Ramdas Walke | 04 | 06 | 07 | 17 |
| 14 | 21AB510560 | Atharva Anil Deshpande | 04 | 06 | 10 | 20 |
| 15 | 21AB510562 | Bhagyashree Ashok Waghade | 04 | 06 | 10 | 20 |
| 16 | 21AB510563 | Bharavi Pradip Gandole | 04 | 06 | 10 | 20 |
| 17 | 21AB510564 | Chanchal Bhojraj Nikhar | 04 | 03 | 10 | 17 |
| 18 | 21AB510566 | Chhaya Ramdas Dandare | 04 | 06 | 10 | 20 |
| 19 | 21AB510570 | Disha Ashok Kachave | 04 | 06 | 10 | 20 |
| 20 | 21AB510575 | Gopal Sanjay Pawase | 04 | 06 | 10 | 20 |
| 21 | 21AB510576 | Indrayani Yogiraj Thakare | 04 | 06 | 10 | 20 |
| 22 | 21AB510580 | Kartika Krushna Kadu | 04 | 06 | 10 | 20 |
| 23 | 21AB510581 | Khushi Prasanna Bhandari | 04 | 06 | 10 | 20 |
| 24 | 21AB510582 | Komal Prakash Velukar | 04 | 06 | 10 | 20 |
| 25 | 21AB510583 | Labhanshu Mohan Jadhav | 04 | 06 | 07 | 17 |

Name and Signatures of Teachers:

1 G. S. Mendhe

2. ----------

Date: 22/01/2022

Signature of H.O.D

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Principal

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Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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**Record of Internal Assessment Marks (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM – V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Roll No. | Name of the Student | Project assignment Max. Marks:-04 | Seminar/group discussion/study tour/Industrial visit/visit to educational institutes/research organization/field work etc Max marks 06 | Class test Max.Marks:-10 | Total Max.Marks:-20 |
|---|---|---|---|---|---|---|
| 26 | 21AB510584 | Lekha Chetan Kothari | 04 | 06 | 10 | 20 |
| 27 | 21AB510585 | Madhuri Prathamraj Bhamkar | 04 | 06 | 10 | 20 |
| 28 | -- | Manasvi Suhas Khurpade | 00 | 00 | 00 | 00 |
| 29 | 21AB510586 | Minakshi Gopal Agrawal | 04 | 06 | 10 | 20 |
| 30 | 21AB510588 | Monali Rajendra Thakare | 04 | 06 | 10 | 20 |
| 31 | 21AB510589 | Mrunal Gajanan Punwatkar | 04 | 06 | 10 | 20 |
| 32 | 21AB510592 | Nishigandha Subhash Kannake | 04 | 06 | 07 | 17 |
| 33 | 21AB510593 | Nutan Prabhakar Lamkase | 04 | 06 | 10 | 20 |
| 34 | 21AB510594 | Omprakash Gajanan Tayade | 04 | 06 | 10 | 20 |
| 35 | 21AB510598 | Pallavi Vijay Badhiye | 04 | 06 | 10 | 20 |
| 36 | 21AB510599 | Payal Chandrashekhar Tarpe | 04 | 03 | 10 | 17 |
| 37 | 21AB510600 | Pooja Diliprao Chakole | 03 | 06 | 07 | 16 |
| 38 | 21AB510602 | Prajakta Gajanan Kadu | 04 | 06 | 10 | 20 |
| 39 | 21AB510603 | Prajwal Jayvant Patil | 04 | 06 | 10 | 20 |
| 40 | 21AB510604 | Prajwal Sanjay Savalkar | 04 | 06 | 10 | 20 |
| 41 | 21AB510605 | Prajwala Manoj Tirmare | 04 | 06 | 10 | 20 |
| 42 | 21AB510606 | Prajyot Milind Pahade | 04 | 00 | 10 | 14 |
| 43 | 21AB510607 | Pratik G. Kalsait | 04 | 00 | 10 | 14 |
| 44 | -- | Pratik Suresh Randale | 00 | 00 | 00 | 00 |
| 45 | 21AB510610 | Pritam Prakash Ingole | 04 | 06 | 10 | 20 |
| 46 | 21AB510612 | Punam Ramesh Kale | 04 | 06 | 10 | 20 |
| 47 | 21AB510613 | Rajashri Rajesh Lad | 04 | 06 | 07 | 17 |
| 48 | 21AB510615 | Rushikesh Pramod Nandeshwar | 04 | 00 | 07 | 11 |
| 49 | 21AB510617 | Sakshi Banduji Malode | 04 | 06 | 10 | 20 |
| 50 | 21AB510618 | Sakshi Haridas Dhole | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 G. S. Mendhe

2. ----------

Date: 22/01/2022

Signature of H.O.D.

Verified

Principal

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Adarsha Science, J.B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Internal Assessment Marks (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Subject: PHYSICS**

Examination: **B.Sc. III (SEM – V), Winter 2021**

Paper (with title): Quantum Mechanics, Nuclear Physics and Electronics

Name of the Teacher: (1) Mr. G. S. Mendhe (Assistant Professor)

| S. N. | Roll No. | Name of the Student | Project assignment Max. Marks:-04 | Seminar/group discussion/study tour/Industrial visit/visit to educational institutes/research organization/field work etc Max marks 06 | Class test Max.Marks:-10 | Total Max.Marks:-20 |
|---|---|---|---|---|---|---|
| 51 | 21AB510620 | Sakshi Nilesh Mankar | 04 | 06 | 10 | 20 |
| 52 | 21AB510622 | Sakshi Ravindra Thakare | 04 | 06 | 10 | 20 |
| 53 | 21AB510623 | Sakshi Subhash Rajgure | 04 | 06 | 10 | 20 |
| 54 | 21AB510624 | Sakshi Sushil Paliwal | 04 | 06 | 07 | 17 |
| 55 | -- | Saurabh Ranjan Ajbale | 00 | 00 | 00 | 00 |
| 56 | 21AB510627 | Saurabh Rangrao Thombare | 03 | 00 | 07 | 10 |
| 57 | 21AB510630 | Shreya Rajkumar Tale | 04 | 06 | 10 | 20 |
| 58 | 21AB510634 | Shruti Shankar Sultane | 03 | 00 | 07 | 10 |
| 59 | 21AB510637 | Shweta Hiralal Bawangade | 04 | 06 | 10 | 20 |
| 60 | 21AB510638 | Shweta Sanjay Ingale | 04 | 06 | 10 | 20 |
| 61 | 21AB510641 | Sonal Sudhir Taksande | 04 | 06 | 10 | 20 |
| 62 | -- | Sudarshan Gopal Deshpande | 00 | 00 | 00 | 00 |
| 63 | 21AB510642 | Swapnil Shridhar Pataliya | 04 | 06 | 07 | 17 |
| 64 | 21AB510643 | Tanvi Chandrashekhar Mete | 04 | 06 | 10 | 20 |
| 65 | 21AB510644 | Tanvi Vinod Gorde | 04 | 06 | 10 | 20 |
| 66 | 21AB510645 | Tejal Narendra Hande | 04 | 06 | 10 | 20 |
| 67 | 21AB510646 | Trupti Shuddhodhan Meshram | 04 | 06 | 10 | 20 |
| 68 | 21AB510647 | Vaishnavi Dnyaneshwar Waghade | 04 | 06 | 10 | 20 |
| 69 | -- | Vaishnavi Gunwant Bhongade | 00 | 00 | 00 | 00 |
| 70 | 21AB510648 | Vaishnavi Khushal Ronghe | 04 | 06 | 10 | 20 |
| 71 | 21AB510649 | Vaishnavi Kisan Jadhav | 00 | 00 | 10 | 10 |
| 72 | 21AB510651 | Vaishnavi Raju Kalsarpe | 04 | 06 | 07 | 17 |
| 73 | 21AB510652 | Vallari Amol Hiwarkar | 04 | 06 | 10 | 20 |
| 74 | 21AB510653 | Vedika Govind Mankar | 04 | 06 | 10 | 20 |
| 75 | 21AB510654 | Yogita Ishwar Jambhulkar | 00 | 00 | 00 | 00 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

Date: 22/01/2022

Signature of H.O.D.

Verified

Principal

PRINCIPAL

Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 25/03/2022

## Notice

All the students of **B.Sc. I Sem II (physics)** are hereby informed that their **unit test of 30 marks** in concern with **internal marks of Amravati University theory examination,S 2022** will be held as per following schedule. The students should note and act accordingly. The test is compulsory to all students.

| Name of Examination | Date | Time | Syllabus |
|---|---|---|---|
| B.Sc. part I | 19/04/2022 | 11:20-1:00 pm | Unit V |
| Sem II | 07/05/2022 | 11:20-1:00 pm | Unit VI |

The students should note that internal test marks will be awarded on the basis of performance of the students mentioned below:

| Test Marks (Out of 30) | Internal Test Marks (Out of 12) |
|---|---|
| ≥ 24 | 12 |
| 18 – 23 | 10 |
| 11 – 17 | 07 |
| 0 – 10 | 00 |

Teacher In charge
Dr.S.G.Vidhale

Principal
Dr.Y.B.Gandole

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 01/04/2022

# Notice

All the students of B.Sc. II (Sem IV), PHYSICS are hereby informed that, their internal test of 30 marks in concern with internal assessment of S. G. B. A. U. theory examination, Summer 2022 will be held as per following schedule. The students should note and act accordingly. The test is compulsory to all students.

| Name of the Examination | Date | Time | Syllabus |
|---|---|---|---|
| B. Sc. II (SEM IV) | 13/04/2022 | 11:20 AM – 01:00 PM | Unit II (Diffraction) |
| | 07/05/2022 | 10:30 AM – 12:10 PM | Unit III (Polarisation) |

The students should note that internal test marks will be awarded on the basis of performance of the students mentioned below:

| Internal test marks Obtained (Out of 30) | Internal test marks awarded (Out of 10) |
|---|---|
| ≥ 24 | 10 |
| 18 - 23 | 07 |
| 1 1 - 17 | 05 |
| 0 - 10 | 00 |

Teacher In charge

(Dr. S. S. Sharma)

Head of the Department

(Mr. V. S. Thool)

Head Of Physics Deptt.
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 11/03/2022

# Notice

All the students of B.Sc. III (Sem VI), PHYSICS are hereby informed that, their internal test of 30 marks in concern with internal assessment of S. G. B. A. U. theory examination, Summer 2022 will be held by offline mode as per following schedule. The students should note and act accordingly. The test is compulsory to all students.

| Name of the Examination | Date | Time | Syllabus |
|---|---|---|---|
| B. Sc. III (SEM VI) | 23/03/2022 (Wednesday) | 2:55 PM – 3:45 PM | Unit V (Magnetic Properties of materials) |

The students should note that internal test marks will be awarded on the basis of performance of the students mentioned below:

| Internal test marks Obtained (Out of 30) | Internal test marks awarded (Out of 12) |
|---|---|
| ≥ 24 | 10 |
| 18 - 23 | 07 |
| 11 - 17 | 05 |
| 0 - 10 | 00 |

Teacher In charge

(G. S. Mendhe)

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 21/04/2022

# Notice

All the students of B.Sc. III (Sem VI), PHYSICS are hereby informed that, their second internal test of 30 marks in concern with internal assessment of S. G. B. A. U. theory examination, Summer 2022 will be held by offline mode as per following schedule. The students should note and act accordingly. The test is compulsory to all students.

| Name of the Examination | Date | Time | Syllabus |
|---|---|---|---|
| B. Sc. III (SEM VI) | 04/05/2022 (Wednesday) | 2:55 PM – 3:45 PM | Unit I (Statistical Mechanics I) |

The students should note that internal test marks will be awarded on the basis of performance of the students mentioned below:

| Internal test marks Obtained (Out of 30) | Internal test marks awarded (Out of 12) |
|---|---|
| ≥ 24 | 10 |
| 18 - 23 | 07 |
| 1 1 - 17 | 05 |
| 0 - 10 | 00 |

Teacher In charge

(G. S. Mendhe)

H.O.D.

(V. S. Thool)

Head Of Physics Deptt.-
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Adarsha Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 25/04/2022

**Notice**

All students of **B.Sc. I Sem II(physics),** are hereby inform that, they should submit followingassignmentsin concern with **internal marks of theory examination S 2022**on 31/5/2022 .The students should note and act accordingly.

**Assignment No. 2**

**Topic: Unit I, IV, V**

**Q1. Answer in short**

a) What is an electron Gun?

b) What is discharge tube?

c) State the condition for velocity selector

d) What is mass spectrograph?

e) What is function of magnetic field in a cyclotron?

**Q2.Answer in brief**

a) Explain the motion of charged particle in transverse electric field

b) Explain the motion of charged particle in transverse Magnetic field

c) Explain the principle and working of Mass spectrograph.

d)Explain the principle and working of cyclotron.

(Dr.S.G.Vidhale )
Teacher in charge

(Dr.Y.BGandole)
Principal

PRINCIPAL
Adarsha Scienos, J.B. Arts &
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Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

## Department of physics

Date: 26/04/2022

# Notice

All the students of **B.Sc. II (Sem IV), PHYSICS** are hereby informed that, they have to submit **theory project and practical project on the allotted topic** in concern with **internal assessment of S. G. B. A. U. theory examination, Summer-2022, in the department of Physics** on or before **10/05/2022**. The students should note and act accordingly.

**Teacher In charge**

**(Dr. S. S. Sharma)**

**Principal**

**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsha Science, J. B. Arts &
Birla Commerce Mahavidyalaya
Dhamangaon Rly.

Head Of Physics Dept.
Adarsha Science, J. B. Arts &
Birla Commerce Mahavidyalaya
Dhamangaon Rly.

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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of physics

Date: 26/04/2022

# Notice

All the students of **B.Sc. II (Sem IV), PHYSICS** are hereby informed that, **seminar presentation** in concern with **internal assessment of S. G. B. A. U. theory examination, Summer-2022** will be held as per following schedule. The seminar script should be submitted in the department of Physics on or before **10/05/2022**. The students should note and act accordingly.

| Group | Date | Time |
|---|---|---|
| S1, S3 | 09/05/2022 – 10/05/2022 | 12:10 PM – 02:45 PM |
| S2, S4 | 04/05/2022 – 05/05/2022 | 02: 55 PM – 05:15 PM |

Teacher In charge

(Dr. S. S. Sharma)

Principal

(Dr. Y. B. Gandole)

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Department of physics

Date: 20/04/2022

# Notice

All the students of **B.Sc. III (Sem VI), PHYSICS** are hereby informed that, they have to submit allotted **theory project on recent development in Physics** in concern with **internal assessment of S. G. B. A. U. theory examination, Summer 2022** by **offline mode in the department of Physics** on **28/04/2022**. The students should note and act accordingly.

Mendhe

**Teacher In charge**
**(G. S. Mendhe)**

**H.O.D.**
**(V. S. Thool)**

Head, Physics Dept.
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya,
Dhamangaon Rly.

**Principal**
**(Dr. Y. B. Gandole)**

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**Department of physics**

**Date: 21/04/2022**

## Notice

All the students of **B.Sc. III (Sem VI), PHYSICS** are hereby informed that, seminar presentation in concern with **internal assessment of S. G. B. A. U. theory examination, winter 2021** will be held as per following schedule. The seminar can be presented by offline mode in the department of Physics or by online mode by recording video and submitting it on Google classroom. The seminar script should be submitted by **offline mode** (only) in the department of Physics on or before **30/04/2022**. The seminar presentation is compulsory to all students. The students should note and act accordingly.

| Group | Date | Time |
|---|---|---|
| T1, T3 | 28/04/2022 | 12:10 PM – 2:45 PM |
| T2, T4 | 29/04/2022 | 2: 55 PM – 5:15 PM |

**Teacher In charge**

**(G. S. Mendhe)**

**H.O.D.**

**(V. S. Thool)**

Head Of Physics Deptt.
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

**Principal**

**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Adarasha science,J.B arts and Birla commerce college,Dhamangaon Railway

B.Sc I sem II(2021-2022)Internal Test I

Date:19/4/2022(Tuesday) Time:12:00 -1:30 Marks: 30

**Q 1.Fill in the blanks (5 M)**

a)Thevinin equivalent circuit gives ----------

1) Voltage equivalent source 2) current equivalent source3) Both 1&2 4) none of these

b) In linear network which theorem is useful for calculating current in any branch?

1)Maximum power transfer theorem 2) Norton's theorem 3) Thevenin'stheorem 4) Superposition theorem

c) According to Kirchhoff's law where the algebraic sum of current is zero

1)In a linear network 2) In a closed circuit 3) At a junction 4) none of these

d)Current density is a ----------

1) Scalar quantity 2) Vector quantity 3) derived quantity 4) none of these

e) Ballistic galvanometer measures the strength of

1) Current 2) charge 3) voltage 4) resistance

**Q2. Answer in short (5)**

a) State Thevenin Theorem

b) State superposition theorem

c) State Maximum power transfer theorem

d) State Kirchhoff's law

e) What is time constant of series LR circuit.

**Q3.Answer in brief (15)**

a) Obtain an expression for growth and decay of a current in series L R circuit.

b) Obtain an expression for growth and decay of charge in series CR circuit.

c) State the condition under which the moving coil galvanometer is act as Ballistic galvanometer.

**Q4)Define (5)**

i) Current sensitivityii) Charge sensitivityiii) Figure of merit of galvanometeriv) Current density v) Mesh

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Adarashascience,J.B arts and Birla commerce college,Dhamangaon Railway

B.Sc I sem II(2021-2022)Internal Test II

Date:07/05/2022(Saturday) Time:11:00 -12:30 Marks: 30

**Q 1.Fill in the blanks (5 M)**

a) In Mass spectrograph particles are separated according to

1) Charge 2) Mass 3) Volume 4) none of these

b) Velocity of particle from velocity selector is equal to?

1)E/B 2) B/E 3) E 4)E

c) When charge particles moves in a transverse magnetic fieldit traces

1) Circular path 2) In Parabolic Path3) straight line4) none of these

d)When charged particle placed in transverse electric field it traces

1) Circular path 2) In Parabolic Path3) straight line4) none of these

e) In cyclotron Dee shape chambers are

1) Magnetic 2) Non Magnetic3) both 4) none of above

**Q2. Answer in short (5)**

a) What is an electron Gun?

b) What is discharge tube?

c) State the condition for velocity selector

d) What is mass spectrograph?

e) What is function of magnetic field in a cyclotron?

**Q3.Answer in brief (20)**

a) Explain the motion of charged particle in transverse electric field

b) Explain the motion of charged particle in transverse Magnetic field

c) Explain the principle and working of Mass spectrograph.

d)Explain the principle and working of cyclotron.

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# Internal Test

Class: B.Sc. – II, Semester – IV

**Subject: Physics** — **Syllabus: Unit-2, Diffraction**

**Date of Test: 13/04/2022** — **Time: 11:20 am**

**Max. Marks: 30**

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1. Choose the correct alternative: (5 marks)

(i) The diffraction of light observed when the size of obstacle is:

(a) very large (b) very small

(c) comparable with the wavelength of light (d) howsoever large or small

(ii) The radii of half period zones are:

(a) proportional to $1/\sqrt{n}$ (b) proportional to $\sqrt{n}$

(c) proportional to $n^{-3/2}$ (d) proportional to $n^{3/2}$

(iii) For a zone plate, the incorrect statement is:

(a) a zone plate has multiple foci

(b) a zone plate behaves like a convex lens

(c) the focal length of the zone plate depends on the wavelength of the light

(d) a zone plate behaves like a concave lens

(iv) With the help of zone plate light is obstructed from:

(a) first zone only (b) all zones

(c) every alternate zone (d) none of the above

(v) Bending of light around an obstacle is known as:

(a) refraction (b) reflection

(c) total internal reflection (d) diffraction

2. Solve any two questions: (2 marks each)

(i) What is diffraction of light?

(ii) What do you mean by grating element?

(iii) What do you understand by resolving power of an optical instrument?

3. Light of wavelength 6250 $A^{o}$ is incident normally on a plane transmission grating. A second order spectral line is observed at an angle of $30^{o}$. Calculate the number of lines per cm on the grating. (3 marks)

4. Solve any three questions: (6 marks each)

(i) Give the construction and elementary theory of plane transmission grating.

(ii) Show that the radii of half period zones are proportional to the square root of natural numbers.

(iii) Describe the necessary theory of Fraunhofer diffraction due to double slits.

(iv) What is zone plate? How it is constructed? Compare it with the convex lens.

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## Internal Test

## Class: B.Sc. – II, Semester – IV

**Subject: Physics**
**Date of Test: 06/04/2022**

**Syllabus: Unit-3 Polarization**
**Time: 1 Hour**
**Max. Marks: 30**

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1. Choose the correct alternative: (6 marks)

(i) Polarisation is the phenomenon which proves the
(a) longitudinal nature of light
(b) transverse nature of light
(c) quantum nature of light
(d) all of the above

(ii) Half wave plate introduces a phase difference between O-ray and E-ray of
(a) 0 degree
(b) 45 degree
(c) 90 degree
(d) 180 degree

(iii) Angle between the plane of vibration and the plane of polarisation of a polarised light is:
(a) 0 degree
(b) 45 degree
(c) 90 degree
(d) 180 degree

(iv) In a uni-axial positive crystal:
(a) $\mu o = \mu e$
(b) $\mu o > \mu e$
(c) $\mu o < \mu e$
(d) $\mu o = 2\mu e$

(v) If i is the polarising angle, then refractive index $\mu$ of the material is given by
(a) sin i
(b) cos i
(c) tan i
(d) cosec i

(vi) Natural light is
(a) unpolarized light
(b) plane polarized light
(c) elliptically polarized light
(c) circularly polarized light

2. Solve any three questions: (2 marks each)

(i) What do you mean by optic axis?
(ii) What is polarization?
(iii) Define unpolarized and polarized light.
(iv) What are extra-ordinary ray and ordinary ray?

3. Solve any three questions: (6 marks each)

(i) Explain construction and working of Nicol Prism.
(ii) State and explain phase retardation plate. Deduce the formula for thickness of quarter wave plate.
(iii) Explain the theory of production of elliptically and circularly polarized light.
(iv) Explain polarization by double refraction and reflection phenomenon.

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly**

**Department Of Physics**

## Internal Test Examination

**Class: B. Sc. III (SEM VI)**

**Topic: Magnetic Properties of Materials**

**Time: 1 Hour** **Maximum Marks: 30**

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**Note:**

1) All sub-questions from each question are compulsory.
2) Answer any **five questions.**
3) Each question carry equal marks

Q: 1) Discuss the Langevin theory of paramagnetism.

Q: 2)
(a) State and explain Curie's law.
(b) Explain ferromagnetism on the basis of Weiss molecular field theory.

Q: 3)
(a) Define:
(i) Magnetic susceptibility
(ii) Magnetic permeability
(iii) Intensity of magnetization
(b) State the properties of diamagnetic materials.

Q: 4) Show that when an external magnetic field is applied to diamagnetic substance, the change in magnetic moment of an orbiting electron is equal to $\frac{-e^2Br^2}{4m}$ where, symbols are their usual meaning.

Q: 5)
(a) What is magnetic dipole moment? Obtain an expression for it.
(b) State the properties of paramagnetic materials.

Q: 6)
(a) Show that the loss of energy per unit volume per cycle of hysteresis is equal to area of B – H loop.
(b) What are soft and hard magnetic materials?

Q: 7)
(a) What is Curie temperature? Explain variation of spontaneous magnetization with temperature in ferromagnetic materials.
(b) Explain ferromagnetism on the basis of domain theory.

Q: 8)
(a) State and explain Curie – Weiss law.
(b) What is Hysteresis? Explain hysteresis loop.

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Department Of Physics

## Internal Test Examination

Class: B. Sc. III (SEM VI)

Topic: Statistical Mechanics I

**Time: 1 Hour** *Maximum Marks: 20*

**Note:**

1) All sub-questions from each question are compulsory.
2) Each question carry equal marks
3) Answer **any four** questions.

**Q: 1) (A) Choose the correct alternative of the following.** (2)

(i) M – B statistics is applicable if

(a) Particles are identical and distinguishable
(b) Particles are identical and indistinguishable
(c) Only one particle can occupy the cell
(d) None of these

(ii) The most probable velocity of gas molecule is given by

(a) $\sqrt{\frac{8kT}{\pi m}}$ (b) $\sqrt{\frac{3kT}{m}}$ (c) $\sqrt{\frac{2kT}{m}}$ (d) Zero

(iii) The phase space of N particles have ----- dimensions.

(a) N (b)3N (c) 6N (d) 6

(iv) Number of microstates in a particular macrostate is called

**(a)** Probability (b) priori probability (c) thermodynamic probability (d) None of these

**(B) Answer the following questions in one sentence.** (3)

(i) What is unit cell?
(ii) Define thermodynamic probability.
(iii) What is phase space?

**Q: 2)** State and prove Boltzmann Entropy relation.

**Q: 3)** Derive an expression for root mean square velocity.

**Q: 4) (a)** Explain the concept of microstates and macro states with examples. (4)

**(b)** State the principle of equal and priori probability. (1)

**Q: 5)** Write expression for thermodynamic probability in MB distribution and find expression for MB distribution.

**Q: 6) (a)** Derive Maxwell's distribution law of molecular speeds. (3)

**(b)** Give the limitations of Maxwell's Boltzmann statistics. (2)

**Q: 7) (a)** Find the thermodynamic probability for four distinguishable particles for the macrostate (2,2). (2)

**(b)** Find the average speed for oxygen molecule at 50°C. (Avagadro's Number = $6.02\times10^{23}$ /mole; K= $1.38 \times 10^{-23}$ J/K). (3)

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**Record of Class Test(2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly**

.Subject: **PHYSICS**

Class: **B.Sc. I(Sem- II)**

Paper (with title): **KINETIC THEORY, THERMODYNAMICS AND ELECTRIC CURRENT**

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

| S.N. | Name of the Student | First Test Date19/04/22 & 07/05/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Out of 12 |
| 1 | AartiSurjuse | 26 | PASS | 12 |
| 2 | AbhayGawande | 24 | PASS | 12 |
| 3 | AbhijitManohare | 25 | PASS | 12 |
| 4 | AbhishekChoudhari | 24 | PASS | 12 |
| 5 | AkanshaDeogade | 26 | PASS | 12 |
| 6 | Anushka Thakur | 24 | PASS | 12 |
| 7 | Atharva Gawande | 25 | PASS | 12 |
| 8 | Dikshant Moon | 24 | PASS | 12 |
| 9 | GayatribaburavJadhav | 26 | PASS | 12 |
| 10 | GayatriMehatre | 24 | PASS | 12 |
| 11 | GayatriMoreshwarraoRaut | 25 | PASS | 12 |
| 12 | HuzaifAkmalZakir Ahmad | AB | AB | 00 |
| 13 | Jay Hore | 25 | PASS | 12 |
| 14 | Juhi D Uike | 24 | PASS | 12 |
| 15 | Khushavant Vijay Gajbhiye | 22 | PASS | 10 |
| 16 | Komal Bharat Madavi | 24 | PASS | 12 |
| 17 | KunalKelatkar | 22 | PASS | 10 |
| 18 | Maithili RajabhauRonghe | 24 | PASS | 12 |
| 19 | MinalBhojrajNikhar | 22 | PASS | 10 |
| 20 | Monika Nain | 25 | PASS | 12 |
| 21 | Naval NarendraraoTondare | 26 | PASS | 12 |
| 22 | Nidhi satish shriwas | 25 | PASS | 12 |
| 23 | Nikita Sanjay Utale | 25 | PASS | 12 |
| 24 | Om k Bhoyar | 19 | PASS | 10 |
| 25 | PrachiDeshmukh | 24 | PASS | 12 |
| 26 | PrashantRatnakarArekar | 24 | PASS | 12 |
| 27 | PrashikChavhan | 24 | PASS | 12 |
| 28 | PrathameshGajbhiye | 25 | PASS | 12 |
| 29 | Pratik DilipraoGolait | 24 | PASS | 12 |
| 30 | PratikshaSunilraoGhawat | 19 | PASS | 10 |
| 31 | PratikshaVyawahare | 18 | PASS | 10 |
| 32 | Puja Nachankar | 25 | PASS | 12 |
| 33 | RajashriTarare | 25 | PASS | 12 |
| 34 | Rano Thakur | 24 | PASS | 12 |

Name and Signatures of Teachers:

1. Dr. S. G. Vidhale

2. ----------

Date:

Signature of H.O.D.

Verified

Principal

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Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
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SantGadge Baba Amravati University, Amravati

**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.** Subject: **PHYSIC**

Class: **B.Sc. I(Sem-I I)**

Paper (with title): **KINETIC THEORY, THERMODYNAMICS AND ELECTRIC CURRENT**

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

| S.N. | Name of the Student | First Test Date19/04/22 & 07/05/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Out of 12 |
| 35 | Ritesh Alone | 24 | PASS | 12 |
| 36 | RoshaniPradiprao Khandal | 22 | PASS | 10 |
| 37 | Roshan Shah | 22 | PASS | 12 |
| 38 | RushikeshKhadase | 18 | PASS | 10 |
| 39 | Rushikesh Narayan Rewade | 24 | PASS | 12 |
| 40 | SahilJitendraBorkar | 24 | PASS | 12 |
| 41 | Sakshiruparav Mete | 22 | PASS | 10 |
| 42 | Sakshi Zatale | 22 | PASS | 10 |
| 43 | SamikshaGawande | 24 | PASS | 12 |
| 44 | SandeshUgale | 24 | PASS | 12 |
| 45 | SaniyaRatanlalaJaiswal | 24 | PASS | 12 |
| 46 | SaniyakausarRiyaz Khan | 24 | PASS | 12 |
| 47 | SayliKamble | 22 | PASS | 10 |
| 48 | ShaikhShaikhKarim | 24 | PASS | 12 |
| 49 | ShatanandAmolHiwarkar | 24 | PASS | 12 |
| 50 | ShraddhaMalode | 24 | PASS | 12 |
| 51 | Shravani V. Vidulkar | 24 | PASS | 12 |
| 52 | ShrutiGaneshraoRaut | 22 | PASS | 10 |
| 53 | SnehalBabanraoRaut | 24 | PASS | 12 |
| 54 | SnehalRajendraChaudhari | 25 | PASS | 12 |
| 55 | SwaminiSudhakarSarave | 25 | PASS | 12 |
| 56 | TanviGandole | 26 | PASS | 12 |
| 57 | TejasJolhe | 26 | PASS | 12 |
| 58 | TejasviniChavhan | 22 | PASS | 10 |
| 59 | TejasviniGovindKapile | 22 | PASS | 10 |
| 60 | TusharSanjayraoHanwate | 24 | PASS | 12 |
| 61 | TwinkalGajbhiye | 25 | PASS | 12 |
| 62 | Vaishnavi kale | 25 | PASS | 12 |
| 63 | Vedant M. Thakare | 22 | PASS | 10 |
| 64 | Vedant Dhok | 22 | PASS | 10 |
| 65 | Vikram Vilas Somkuwar | 24 | PASS | 12 |

Name and Signatures of Teachers:

1 Dr. S.G. Vidhale

2. ----------

Signature of H.O.D.

Date:

Verified
Principal

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Record of Home Assignment (2021-22)

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS** Class: **B.Sc. I(Sem- II)**

Paper (with title): **KINETIC THEORY ,THERMODYNAMICS AND ELECTRIC CURRENT**

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

**Date 21/5/2022 (Tuesday)**

| Sr No. | Name | Roll no | Marks Assignment(8) |
|---|---|---|---|
| 1 | Aarti Surjuse | 21AB110470 | 8 |
| 2 | Abhay Gawande | 21AB110472 | 8 |
| 3 | Abhijit Manohare | 21AB110473 | 8 |
| 4 | Abhishek Choudhari | 21AB110474 | 8 |
| 5 | Akansha Deogade | 21AB110477 | 8 |
| 6 | Anushka Thakur | 21AB110479 | 8 |
| 7 | Atharva Gawande | 21AB110484 | 8 |
| 8 | Dikshant Moon | 21AB110487 | 8 |
| 9 | Gayatri baburav Jadhav | 21AB110488 | 8 |
| 10 | Gayatri Mehatre | 21AB110492 | 8 |
| 11 | Gayatri Moreshwarrao Raut | 21AB110489 | 8 |
| 12 | Huzaif Akmal Zakir Ahmad | 21AB110494 | 00 |
| 13 | Jay Hore | 21AB110495 | 8 |
| 14 | Juhi D Uike | 21AB110496 | 8 |
| 15 | Khushavant Vijay Gajbhiye | 21AB110498 | 8 |
| 16 | Komal Bharat Madavi | 21AB110501 | 8 |
| 17 | Kunal Kelatkar | 21AB110502 | 8 |
| 18 | Maithili Rajabhau Ronghe | 21AB110505 | 8 |
| 19 | Minal Bhojraj Nikhar | 21AB110506 | 8 |
| 20 | Monika Nain | 21AB110507 | 8 |
| 21 | Naval NarendraraoTondare | 21AB110508 | 8 |
| 22 | Nidhisati shshriwas | 21AB110510 | 8 |
| 23 | Nikita Sanjay Utale | 21AB110512 | 8 |
| 24 | Om k Bhoyar | 21AB110514 | 8 |
| 25 | Prachi Deshmukh | 21AB110518 | 8 |
| 26 | Prashant Ratnakar Arekar | 21AB110522 | 8 |
| 27 | Prashik Chavhan | 21AB110523 | 8 |
| 28 | Prathamesh Gajbhiye | 21AB110524 | 8 |
| 29 | Pratik Diliprao Golait | 21AB110525 | 8 |
| 30 | Pratiksha Sunilrao Ghawat | 21AB110528 | 8 |
| 31 | Pratiksha Vyawahare | 21AB110527 | 8 |

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| | | | |
|---|---|---|---|
| 32 | Puja Nachankar | 21AB110529 | 8 |
| 33 | Rajashri Tarare | 21AB110530 | 8 |
| 34 | Rano Thakur | 21AB110531 | 8 |
| 35 | Ritesh Alone | 21AB110533 | 8 |
| 36 | Roshani Pradiprao Khandal | 21AB110535 | 8 |
| 37 | Roshan Shah | 21AB110534 | 8 |
| 39 | Rushikesh Khadase | 21AB110539 | 8 |
| 40 | Rushikesh Narayan Rewade | 21AB110538 | 8 |
| 41 | Sahil Jitendra Borkar | 21AB110542 | 8 |
| 42 | Sakshi ruparav Mete | 21AB110544 | 8 |
| 43 | Sakshi Zatale | 21AB123379 | 8 |
| 44 | Samiksha Gawande | 21AB110547 | 8 |
| 45 | Sandesh Ugale | 21AB110550 | 0 |
| 46 | Saniya Ratanlala Jaiswal | 21AB110552 | 8 |
| 47 | Saniyakausar Riyaz Khan | 21AB110551 | 8 |
| 48 | Sayli Kamble | 21AB110554 | 8 |
| 49 | Shaikh Shaikh Karim | 21AB110556 | 8 |
| 50 | Shatanand Amol Hiwarkar | 21AB110557 | 8 |
| 51 | Shraddha Malode | 21AB110558 | 8 |
| 52 | Shravani V. Vidulkar | 21AB110561 | 8 |
| 53 | Shruti Ganeshrao Raut | 21AB110563 | 8 |
| 54 | Snehal Babanrao Raut | 21AB110566 | 8 |
| 55 | Snehal Rajendra Chaudhari | 21AB110567 | 8 |
| 56 | Swamini Sudhakar Sarave | 21AB110569 | 8 |
| 57 | Tanvi Gandole | | 8 |
| 58 | Tejas Jolhe | 21AB110573 | 8 |
| 59 | Tejasvini Chavhan | 21AB110576 | 8 |
| 60 | Tejasvini Govind Kapile | 21AB110575 | 8 |
| 61 | Tushar Sanjayrao Hanwate | 21AB110578 | 8 |
| 62 | Twinkal Gajbhiye | 21AB110579 | 8 |
| 63 | Vaishnavi kale | 21AB110582 | 8 |
| 64 | Vedant M. Thakare | 21AB110583 | 8 |
| 65 | Vedant Dhok | 21AB110584 | 8 |
| 66 | Vikram Vilas Somkuwar | 21AB110586 | 8 |

Name and Signatures of Teachers:

1----------

2. ----------

Date:

Signature of H.O.D.

Verified

Principal

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Record of Class Test (2021-22)

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS** Class: **B.Sc. I (Sem- II)**

Paper (with title): **KINETIC THEORY, THERMODYNAMICS AND ELECTRIC CURRENT**

Name of the Teacher: MS. S .G.VIDHALE (Assistant professor)

**Date 21/5/2022 (Tuesday)**

| Sr No. | Name | Roll no | Marks Assignment(8) | Test Out of 12 | Total |
|---|---|---|---|---|---|
| 1 | Aarti Surjuse | 21AB110470 | 8 | 12 | 20 |
| 2 | Abhay Gawande | 21AB110472 | 8 | 12 | 20 |
| 3 | Abhijit Manohare | 21AB110473 | 8 | 12 | 20 |
| 4 | Abhishek Choudhari | 21AB110474 | 8 | 12 | 20 |
| 5 | Akansha Deogade | 21AB110477 | 8 | 12 | 20 |
| 6 | Anushka Thakur | 21AB110479 | 8 | 12 | 20 |
| 7 | Atharva Gawande | 21AB110484 | 8 | 12 | 00 |
| 8 | Dikshant Moon | 21AB110487 | 8 | 12 | 20 |
| 9 | Gayatri baburav Jadhav | 21AB110488 | 8 | 12 | 20 |
| 10 | Gayatri Mehatre | 21AB110492 | 8 | 12 | 20 |
| 11 | Gayatri Moreshwarrao Raut | 21AB110489 | 8 | 12 | 20 |
| 12 | Huzaif Akmal Zakir Ahmad | 21AB110494 | 00 | 00 | 00 |
| 13 | Jay Hore | 21AB110495 | 8 | 12 | 20 |
| 14 | Juhi D Uike | 21AB110496 | 8 | 12 | 20 |
| 15 | Khushavant Vijay Gajbhiye | 21AB110498 | 8 | 10 | 18 |
| 16 | Komal Bharat Madavi | 21AB110501 | 8 | 12 | 20 |
| 17 | Kunal Kelatkar | 21AB110502 | 8 | 10 | 18 |
| 18 | Maithili Rajabhau Ronghe | 21AB110505 | 8 | 12 | 20 |
| 19 | Minal Bhojraj Nikhar | 21AB110506 | 8 | 10 | 18 |
| 20 | Monika Nain | 21AB110507 | 8 | 12 | 20 |
| 21 | Naval NarendraraoTondare | 21AB110508 | 8 | 12 | 20 |
| 22 | Nidhisati shshriwas | 21AB110510 | 8 | 12 | 20 |
| 23 | Nikita Sanjay Utale | 21AB110512 | 8 | 12 | 20 |
| 24 | Om k Bhoyar | 21AB110514 | 8 | 10 | 18 |
| 25 | Prachi Deshmukh | 21AB110518 | 8 | 12 | 20 |
| 26 | Prashant Ratnakar Arekar | 21AB110522 | 8 | 12 | 20 |
| 27 | Prashik Chavhan | 21AB110523 | 8 | 12 | 20 |
| 28 | Prathamesh Gajbhiye | 21AB110524 | 8 | 12 | 20 |
| 29 | Pratik Diliprao Golait | 21AB110525 | 8 | 12 | 20 |
| 30 | Pratiksha Sunilrao Ghawat | 21AB110528 | 8 | 10 | 18 |
| 31 | Pratiksha Vyawahare | 21AB110527 | 8 | 10 | 18 |
| 32 | Puja Nachankar | 21AB110529 | 8 | 12 | 20 |
| 33 | Rajashri Tarare | 21AB110530 | 8 | 12 | 20 |

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| 34 | Rano Thakur | 21AB110531 | 8 | 12 | 20 |
|---|---|---|---|---|---|
| 35 | Ritesh Alone | 21AB110533 | 8 | 12 | 20 |
| 36 | Roshani Pradiprao Khandal | 21AB110535 | 8 | 10 | 18 |
| 37 | Roshan Shah | 21AB110534 | 8 | 12 | 20 |
| 39 | Rushikesh Khadase | 21AB110539 | 8 | 7 | 15 |
| 40 | Rushikesh Narayan Rewade | 21AB110538 | 8 | 12 | 20 |
| 41 | Sahil Jitendra Borkar | 21AB110542 | 8 | 12 | 20 |
| 42 | Sakshi ruparav Mete | 21AB110544 | 8 | 10 | 18 |
| 43 | Sakshi Zatale | 21AB123379 | 8 | 10 | 18 |
| 44 | Samiksha Gawande | 21AB110547 | 8 | 12 | 20 |
| 45 | Sandesh Ugale | 21AB110550 | 0 | 12 | 12 |
| 46 | Saniya Ratanlala Jaiswal | 21AB110552 | 8 | 12 | 20 |
| 47 | Saniyakausar Riyaz Khan | 21AB110551 | 8 | 12 | 20 |
| 48 | Sayli Kamble | 21AB110554 | 8 | 10 | 18 |
| 49 | Shaikh Shaikh Karim | 21AB110556 | 8 | 12 | 20 |
| 50 | Shatanand Amol Hiwarkar | 21AB110557 | 8 | 12 | 20 |
| 51 | Shraddha Malode | 21AB110558 | 8 | 12 | 20 |
| 52 | Shravani V. Vidulkar | 21AB110561 | 8 | 12 | 20 |
| 53 | Shruti Ganeshrao Raut | 21AB110563 | 8 | 10 | 18 |
| 54 | Snehal Babanrao Raut | 21AB110566 | 8 | 12 | 20 |
| 55 | Snehal Rajendra Chaudhari | 21AB110567 | 8 | 12 | 20 |
| 56 | Swamini Sudhakar Sarave | 21AB110569 | 8 | 12 | 20 |
| 57 | Tanvi Gandole | | 8 | 12 | 20 |
| 58 | Tejas Jolhe | 21AB110573 | 8 | 12 | 20 |
| 59 | Tejasvini Chavhan | 21AB110576 | 8 | 10 | 10 |
| 60 | Tejasvini Govind Kapile | 21AB110575 | 8 | 10 | 18 |
| 61 | Tushar Sanjayrao Hanwate | 21AB110578 | 8 | 12 | 20 |
| 62 | Twinkal Gajbhiye | 21AB110579 | 8 | 12 | 20 |
| 63 | Vaishnavi kale | 21AB110582 | 8 | 12 | 20 |
| 64 | Vedant M. Thakare | 21AB110583 | 8 | 10 | 18 |
| 65 | Vedant Dhok | 21AB110584 | 8 | 10 | 18 |
| 66 | Vikram Vilas Somkuwar | 21AB110586 | 8 | 12 | 20 |

Name and Signatures of Teachers:

1----------

2. ----------

Date:

Signature of H.O.D.

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**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | First Test Date: 13/04/2022 Max marks: 30 | | Second Test Date: 07/05/2022 Max marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 1 | Abhishek Arvind Manke | 26 | Pass | 14 | Pass | 10 |
| 2 | Achal Dnyaneshwar Pinjari | 22 | Pass | 27 | Pass | 10 |
| 3 | Achal Raju Dafe | 27 | Pass | 29 | Pass | 10 |
| 4 | Aditya Duryodhan Nare | 18 | Pass | Absent | Absent | 07 |
| 5 | Aditya Sharad Mundafale | Absent | Absent | Absent | Absent | 00 |
| 6 | Akanksha Gajanan Guladhe | 30 | Pass | 26 | Pass | 10 |
| 7 | Akansha Avinash Mahalle | 18 | Pass | 28 | Pass | 10 |
| 8 | Amatulla Qaizar Husain Bohra | 29 | Pass | Absent | Absent | 10 |
| 9 | Amisha Dipakrao Patankar | 23 | Pass | 24 | Pass | 10 |
| 10 | Amit Narendrarao Hande | 19 | Pass | 27 | Pass | 10 |
| 11 | Ankita Narpatsing Rajpurohit | 16 | Pass | 20 | Pass | 07 |
| 12 | Anurag Vinod Choube | 24 | Pass | Absent | Absent | 10 |
| 13 | Ashutosh Sunil Garode | 30 | Pass | 29 | Pass | 10 |
| 14 | Atish Vijayrao Sute | 21 | Pass | 28 | Pass | 10 |
| 15 | Bhavesh Chandrashekhar Tapare | 18 | Pass | Absent | Absent | 07 |
| 16 | Bhushan Arunrao Amale | Absent | Absent | Absent | Absent | 00 |
| 17 | Chaitanya Pradiprao Bhende | 21 | Pass | 29 | Pass | 10 |
| 18 | Chanchal Rajendra Jadhao | 18 | Pass | 25 | Pass | 10 |
| 19 | Chetan Sandiprao Gurad | 21 | Pass | 24 | Pass | 10 |
| 20 | Devesh Sureshrao Chaware | 23 | Pass | 24 | Pass | 10 |
| 21 | Dipali Prakash Khandare | 29 | Pass | Absent | Absent | 10 |
| 22 | Gauri Brijpalsingh Thakur | 26 | Pass | Absent | Absent | 10 |
| 23 | Harshada Prashant Patil | 26 | Pass | Absent | Absent | 10 |
| 24 | Harshada Ravindra Pakhale | Absent | Absent | Absent | Absent | 00 |
| 25 | Janhavi Sanjay Verulkar | 24 | Pass | 18 | Pass | 10 |

Name and Signatures of Teachers:

1. Dr. S. S. Sharma

2. ----------

3. ----------

Signature of H.O.D.

Date:

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Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | First Test Date: 13/04/2022 Max marks: 30 | | Second Test Date: 07/05/2022 Max marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 26 | Jash Vijay Kambale | 21 | Pass | 28 | Pass | 10 |
| 27 | Jay Prakash Shende | 26 | Pass | Absent | Absent | 10 |
| 28 | Kalyani Pradiprao Shitbhate | 26 | Pass | 24 | Pass | 10 |
| 29 | Kanchan Prafulrao Chandure | 27 | Pass | 20 | Pass | 10 |
| 0 | Kartik Pradiprao More | 12 | Pass | 21 | Pass | 07 |
| 31 | Madhavi Pramodrao Dabhade | 12 | Pass | 19 | Pass | 07 |
| 32 | Mayuri Prakashrao Raut | 18 | Pass | 16 | Pass | 07 |
| 33 | Meghana Chandrakant Khope | 18 | Pass | 20 | Pass | 07 |
| 34 | Metali Rajusing Chavhan | 16 | Pass | 28 | Pass | 10 |
| 35 | Namdeo Gajanan Madavi | 11 | Pass | 22 | Pass | 07 |
| 36 | Pranali Sunil Walke | 26 | Pass | 29 | Pass | 10 |
| 37 | Prapti Gajanan Panchbuaddhe | 24 | Pass | Absent | Absent | 10 |
| 38 | Prashik Rajiv Chatur | 21 | Pass | 20 | Pass | 07 |
| 39 | Pratik Rameshrao Sarode | 24 | Pass | 28 | Pass | 10 |
| 40 | Pravina Gajanan Pawar | 19 | Pass | 29 | Pass | 10 |
| 41 | Priyanka Dipak Motghare | 26 | Pass | 21 | Pass | 10 |
| 42 | Rashmi Nandkishorrao Raut | Absent | Absent | 26 | Pass | 10 |
| 43 | Renuka Mohan Khope | 18 | Pass | 25 | Pass | 10 |
| 44 | Rushali Sureshrao Nandane | 20 | Pass | 24 | Pass | 10 |
| 45 | Rutik Sudhakar Manohare | 29 | Pass | 16 | Pass | 10 |
| | Ruttik Nandkishor Shende | 14 | Pass | 28 | Pass | 10 |
| 47 | Rutuja Rajendra Dakhore | 28 | Pass | 26 | Pass | 10 |
| 48 | Sampada Virendra Wankhade | 22 | Pass | 29 | Pass | 10 |
| 49 | Sanket Kishorrao Dhemare | 21 | Pass | 24 | Pass | 10 |
| 50 | Shital Digambar Rajankar | 29 | Pass | Absent | Absent | 10 |

Name and Signatures of Teachers:

1. Dr. S. S. Sharma

2. ----------

3. ----------

Signature of H.O.D.

Date:

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**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | First Test Date: 13/04/2022 Max marks: 30 | | Second Test Date: 07/05/2022 Max marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 51 | Shivani Bhanudasji Nachankar | Absent | Absent | Absent | Absent | 00 |
| 52 | Shivani Nilkanth Choudhari | 30 | Pass | Absent | Absent | 10 |
| 53 | Shreya Vinod Raut | 04 | Fail | 28 | Pass | 10 |
| 54 | Shruti Narendrarao Sangode | 18 | Pass | 25 | Pass | 10 |
| 55 | Shruti Rajendra Lakde | 29 | Pass | Absent | Absent | 10 |
| 56 | Shruti Ranjeetsingh Thakur | 30 | Pass | 18 | Pass | 10 |
| 57 | Snehal Arunrao Nandane | Absent | Absent | Absent | Absent | 00 |
| 58 | Snehal Narayanrao Gulhane | 29 | Pass | 20 | Pass | 10 |
| 59 | Snehal Rajesh Nagrale | 22 | Pass | 24 | Pass | 10 |
| 60 | Sumit Gajananrao Gotefode | 18 | Pass | 19 | Pass | 07 |
| 61 | Suvarna Giridhar Kashte | 20 | Pass | 22 | Pass | 07 |
| 62 | Tejas Arvind Tale | 14 | Pass | 19 | Pass | 07 |
| 63 | Tejas Sanjay Sawant | 13 | Pass | 24 | Pass | 10 |
| 64 | Tejaswini Vijay Zade | 30 | Pass | 25 | Pass | 10 |
| 65 | Unnati Pundlikrao Pande | Absent | Absent | 24 | Pass | 10 |
| 66 | Vaishnavi Kundanrao Jawanjal | 24 | Pass | 29 | Pass | 10 |
| 67 | Vaishnavi Vilasrao Panbude | 24 | Pass | 28 | Pass | 10 |
| 68 | Vedant Manohar Yelkar | 30 | Pass | 11 | Pass | 10 |
| 69 | Vedanti Vilas Chandan | Absent | Absent | 20 | Pass | 07 |
| 70 | Vipin Pramod Dhepe | 30 | Pass | Absent | Absent | 10 |
| 71 | Yash Haribhau Dhadse | 27 | Pass | 11 | Pass | 10 |
| 72 | Yash Jagadish Katgale | Absent | Absent | 26 | Pass | 10 |
| 73 | Yogita Bramhanand Kale | 30 | Pass | 25 | Pass | 10 |

Name and Signatures of Teachers:

1. Dr. S. S. Sharma

2. ----------

3. ----------

Date:

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Dhamangaon Rly.

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**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 1 | Abhishek Arvind Manke | 04 |
| 2 | Achal Dnyaneshwar Pinjari | 04 |
| 3 | Achal Raju Dafe | 04 |
| 4 | Aditya Duryodhan Nare | 04 |
| 5 | Aditya Sharad Mundafale | 00 |
| 6 | Akanksha Gajanan Guladhe | 04 |
| 7 | Akansha Avinash Mahalle | 04 |
| 8 | Amatulla Qaizar Husain Bohra | 04 |
| 9 | Amisha Dipakrao Patankar | 04 |
| 10 | Amit Narendrarao Hande | 04 |
| 11 | Ankita Narpatsing Rajpurohit | 04 |
| 12 | Anurag Vinod Choube | 04 |
| 13 | Ashutosh Sunil Garode | 04 |
| 14 | Atish Vijayrao Sute | 04 |
| 15 | Bhavesh Chandrashekhar Tapare | 04 |
| 16 | Bhushan Arunrao Amale | 04 |
| 17 | Chaitanya Pradiprao Bhende | 04 |
| 18 | Chanchal Rajendra Jadhao | 04 |
| 19 | Chetan Sandiprao Gurad | 04 |
| 20 | Devesh Sureshrao Chaware | 04 |
| 21 | Dipali Prakash Khandare | 04 |
| 22 | Gauri Brijpalsingh Thakur | 04 |
| 23 | Harshada Prashant Patil | 04 |
| 24 | Harshada Ravindra Pakhale | 04 |
| 25 | Janhavi Sanjay Verulkar | 04 |

Name and Signatures of Teachers:

1- Dr. S. S. Sharma

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Date:

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Dhamangaon Rly.

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**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 26 | Jash Vijay Kambale | 04 |
| 27 | Jay Prakash Shende | 04 |
| 28 | Kalyani Pradiprao Shitbhate | 04 |
| 29 | Kanchan Prafulrao Chandure | 04 |
| 30 | Kartik Pradiprao More | 04 |
| 31 | Madhavi Pramodrao Dabhade | 04 |
| 32 | Mayuri Prakashrao Raut | 04 |
| 33 | Meghana Chandrakant Khope | 04 |
| 34 | Metali Rajusing Chavhan | 04 |
| 35 | Namdeo Gajanan Madavi | 04 |
| 36 | Pranali Sunil Walke | 04 |
| 37 | Prapti Gajanan Panchbuaddhe | 04 |
| 38 | Prashik Rajiv Chatur | 04 |
| 39 | Pratik Rameshrao Sarode | 04 |
| 40 | Pravina Gajanan Pawar | 04 |
| 41 | Priyanka Dipak Motghare | 04 |
| 42 | Rashmi Nandkishorrao Raut | 04 |
| 43 | Renuka Mohan Khope | 04 |
| 44 | Rushali Sureshrao Nandane | 04 |
| 45 | Rutik Sudhakar Manohare | 04 |
| 46 | Ruttik Nandkishor Shende | 04 |
| 47 | Rutuja Rajendra Dakhore | 04 |
| 48 | Sampada Virendra Wankhade | 04 |
| 49 | Sanket Kishorrao Dhemare | 04 |
| 50 | Shital Digambar Rajankar | 04 |

Name and Signatures of Teachers:

1---Dr. S. S. Sharma---

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Signature of H.O.D.

Date:

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Dhamangaon Rly.

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**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 51 | Shivani Bhanudasji Nachankar | 00 |
| 52 | Shivani Nilkanth Choudhari | 04 |
| 53 | Shreya Vinod Raut | 04 |
| 54 | Shruti Narendrarao Sangode | 04 |
| 55 | Shruti Rajendra Lakde | 04 |
| 56 | Shruti Ranjeetsingh Thakur | 04 |
| 57 | Snehal Arunrao Nandane | 04 |
| 58 | Snehal Narayanrao Gulhane | 04 |
| 59 | Snehal Rajesh Nagrale | 04 |
| 60 | Sumit Gajananrao Gotefode | 04 |
| 61 | Suvarna Giridhar Kashte | 04 |
| 62 | Tejas Arvind Tale | 04 |
| 63 | Tejas Sanjay Sawant | 04 |
| 64 | Tejaswini Vijay Zade | 04 |
| 65 | Unnati Pundlikrao Pande | 04 |
| 66 | Vaishnavi Kundanrao Jawanjal | 04 |
| 67 | Vaishnavi Vilasrao Panbude | 04 |
| 68 | Vedant Manohar Yelkar | 04 |
| 69 | Vedanti Vilas Chandan | 00 |
| 70 | Vipin Pramod Dhepe | 04 |
| 71 | Yash Haribhau Dhadse | 04 |
| 72 | Yash Jagadish Katgale | 04 |
| 73 | Yogita Bramhanand Kale | 04 |

Name and Signatures of Teachers:

1. Dr. S. S. Sharma

2.

3.

Signature of H.O.D.

Date:

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Principal

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Dhamangaon Rly.

Sant Gadge Baba Amravati University, Amravati

**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Seminar | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 1 | Abhishek Arvind Manke | Ruby laser | 02/05/2022 | 04 |
| 2 | Achal Dnyaneshwar Pinjari | Laser and its characteristics | 05/05/2022 | 06 |
| 3 | Achal Raju Dafe | He-Ne laser | 07/05/2022 | 06 |
| 4 | Aditya Duryodhan Nare | Classification of optical fiber | 05/05/2022 | 04 |
| 5 | Aditya Sharad Mundafale | Absent | Absent | 00 |
| 6 | Akanksha Gajanan Guladhe | Plane diffraction grating | 10/05/2022 | 06 |
| 7 | Akansha Avinash Mahalle | Plane diffraction grating | 07/05/2022 | 06 |
| 8 | Amatulla Qaizar Husain Bohra | Introduction of fiber optics | 10/05/2022 | 06 |
| 9 | Amisha Dipakrao Patankar | Pumping in Laser | 10/05/2022 | 06 |
| 10 | Amit Narendrarao Hande | Ruby laser | 09/05/2022 | 06 |
| 11 | Ankita Narpatsing Rajpurohit | Plane diffraction grating | 10/05/2022 | 04 |
| 12 | Anurag Vinod Choube | Solar panel | 09/05/2022 | 06 |
| 13 | Ashutosh Sunil Garode | Introduction of fiber optics | 07/05/2022 | 06 |
| 14 | Atish Vijayrao Sute | Introduction of fiber optics | 06/05/2022 | 06 |
| 15 | Bhavesh Chandrashekhar Tapare | Absent | Absent | 00 |
| 16 | Bhushan Arunrao Amale | Absent | Absent | 00 |
| 17 | Chaitanya Pradiprao Bhende | Pumping in Laser | 10/05/2022 | 06 |
| 18 | Chanchal Rajendra Jadhao | Zone plate | 07/05/2022 | 04 |
| 19 | Chetan Sandiprao Gurad | Phase retardation plates | 09/05/2022 | 06 |
| 20 | Devesh Sureshrao Chaware | Solar panel | 06/05/2022 | 06 |
| 21 | Dipali Prakash Khandare | Introduction to fiber optics | 10/05/2022 | 06 |
| 22 | Gauri Brijpalsingh Thakur | Solar energy storage | 05/05/2022 | 06 |
| 23 | Harshada Prashant Patil | Fiber losses | 09/05/2022 | 04 |
| 24 | Harshada Ravindra Pakhale | Absent | Absent | 00 |
| 25 | Janhavi Sanjay Verulkar | Laser and its characteristics | 10/05/2022 | 06 |

Name and Signatures of Teachers:

1---------- Dr. S. S. Sharma

2----------

3----------

Date:

Signature of H.O.D.

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Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Seminar | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 26 | Jash Vijay Kambale | Phase retardation plates | 06/05/2022 | 06 |
| 27 | Jay Prakash Shende | Diffraction and its types | 04/05/2022 | 04 |
| 28 | Kalyani Pradiprao Shitbhate | Solar concentrating collectors | 05/05/2022 | 06 |
| 29 | Kanchan Prafulrao Chandure | Semiconductor laser | 09/05/2022 | 04 |
| 30 | Kartik Pradiprao More | Solar cell and its power | 09/05/2022 | 06 |
| 31 | Madhavi Pramodrao Dabhade | Fiber optic communication | 10/05/2022 | 06 |
| 32 | Mayuri Prakashrao Raut | Solar energy storage | 10/05/2022 | 06 |
| 33 | Meghana Chandrakant Khope | Newton's ring | 10/05/2022 | 06 |
| 34 | Metali Rajusing Chavhan | Diffraction and its types | 09/05/2022 | 06 |
| 35 | Namdeo Gajanan Madavi | Absent | Absent | 00 |
| 36 | Pranali Sunil Walke | Solar energy storage | 04/05/2022 | 06 |
| 37 | Prapti Gajanan Panchbuaddhe | Fiber losses | 05/05/2022 | 06 |
| 38 | Prashik Rajiv Chatur | Rayleigh's criteria for resolution | 09/05/2022 | 06 |
| 39 | Pratik Rameshrao Sarode | Laser and its characteristics | 09/05/2022 | 06 |
| 40 | Pravina Gajanan Pawar | Solar concentrating collectors | 09/05/2022 | 06 |
| 41 | Priyanka Dipak Motghare | Fraunhoffer diffraction due to double slit | 06/05/2022 | 06 |
| 42 | Rashmi Nandkishorrao Raut | Structure of optical fiber | 10/05/2022 | 06 |
| 43 | Renuka Mohan Khope | Structure of optical fiber | 05/05/2022 | 06 |
| 44 | Rushali Sureshrao Nandane | Semiconductor laser | 09/05/2022 | 06 |
| 45 | Rutik Sudhakar Manohare | Interference of light | 02/05/2022 | 06 |
| 46 | Ruttik Nandkishor Shende | Holography | 05/05/2022 | 06 |
| 47 | Rutuja Rajendra Dakhore | Zone plate | 07/05/2022 | 06 |
| 48 | Sampada Virendra Wankhade | Fiber optic communication | 05/05/2022 | 06 |
| 49 | Sanket Kishorrao Dhemare | Dispersion | 10/05/2022 | 06 |
| 50 | Shital Digambar Rajankar | Structure of Optical fiber | 05/05/2022 | 06 |

Name and Signatures of Teachers:

1. Dr. S.S. Sharma

2.

3.

Signature of H.O.D.

Date:

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Class: **B.Sc. II (Sem- IV)**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: (1) Dr. S. S. Sharma (Assistant professor)

| S. N. | Name of the Student | Seminar | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 51 | Shivani Bhanudasji Nachankar | Absent | Absent | 00 |
| 52 | Shivani Nilkanth Choudhari | Nicol prism | 04/05/2022 | 04 |
| 53 | Shreya Vinod Raut | Fraunhoffer diffraction due to double slit | 05/05/2022 | 06 |
| 54 | Shruti Narendrarao Sangode | Semiconductor laser | 09/05/2022 | 06 |
| 55 | Shruti Rajendra Lakde | Dispersion | 09/05/2022 | 06 |
| 56 | Shruti Ranjeetsingh Thakur | Newton's ring | 04/05/2022 | 06 |
| 57 | Snehal Arunrao Nandane | Absent | Absent | 00 |
| 58 | Snehal Narayanrao Gulhane | Calcite crystal | 09/05/2022 | 04 |
| 59 | Snehal Rajesh Nagrale | Zone plate | 02/05/2022 | 06 |
| 60 | Sumit Gajananrao Gotefode | Fiber optic communication | 05/05/2022 | 04 |
| 61 | Suvarna Giridhar Kashte | Structure of optical fiber | 07/05/2022 | 04 |
| 62 | Tejas Arvind Tale | Solar water heater | 05/05/2022 | 04 |
| 63 | Tejas Sanjay Sawant | Absent | Absent | 00 |
| 64 | Tejaswini Vijay Zade | Nicol Prism | 09/05/2022 | 06 |
| 65 | Unnati Pundlikrao Pande | Fraunhoffer diffraction due to double slit | 09/05/2022 | 04 |
| 66 | Vaishnavi Kundanrao Jawanjal | Photovoltaic cell | 09/05/2022 | 06 |
| 67 | Vaishnavi Vilasrao Panbude | Interference of light | 06/05/2022 | 06 |
| 68 | Vedant Manohar Yelkar | Holography | 10/05/2022 | 06 |
| 69 | Vedanti Vilas Chandan | Newton's ring | 05/05/2022 | 04 |
| 70 | Vipin Pramod Dhepe | Dispersion | 09/05/2022 | 06 |
| 71 | Yash Haribhau Dhadse | Solar water heater | 09/05/2022 | 06 |
| 72 | Yash Jagadish Katgale | Holography | 09/05/2022 | 04 |
| 73 | Yogita Bramhanand Kale | Nicol prism | 06/05/2022 | 06 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2----------

3----------

Date:

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – IV, Summer – 2022**

Subject: **Physics**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: **Dr. S. S. Sharma**

| S. N. | Roll No. | Name of the Student | Marks awarded | | | |
|---|---|---|---|---|---|---|
| | | | Assignment/ Project **Max. Marks: 04** | **Seminar** / Group discussion / Study tour / Industrial visit / Visit to educational institutes / research organization / field work etc. **Max Marks: 06** | Class test **Max Marks: 10** | Total **Max Marks: 20** |
| 1 | | Abhishek Arvind Manke | 04 | 04 | 10 | 18 |
| 2 | | Achal Dnyaneshwar Pinjari | 04 | 06 | 10 | 20 |
| 3 | | Achal Raju Dafe | 04 | 06 | 10 | 20 |
| 4 | | Aditya Duryodhan Nare | 04 | 04 | 07 | 15 |
| 5 | | Aditya Sharad Mundafale | 00 | 00 | 00 | 00 |
| 6 | | Akanksha Gajanan Guladhe | 04 | 06 | 10 | 20 |
| 7 | | Akansha Avinash Mahalle | 04 | 06 | 10 | 20 |
| 8 | | Amatulla Qaizar Husain Bohra | 04 | 06 | 10 | 20 |
| 9 | | Amisha Dipakrao Patankar | 04 | 06 | 10 | 20 |
| 10 | | Amit Narendrarao Hande | 04 | 06 | 10 | 20 |
| 11 | | Ankita Narpatsing Rajpurohit | 04 | 04 | 07 | 15 |
| 12 | | Anurag Vinod Choube | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2 _____

3 _____

Date:

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
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Dhamangaon Rly.

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Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – IV, Summer – 2022**

Subject: **Physics**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: **Dr. S. S. Sharma**

| | | | | | | |
|---|---|---|---|---|---|---|
| 13 | | Ashutosh Sunil Garode | 04 | 06 | 10 | 20 |
| 14 | | Atish Vijayrao Sute | 04 | 06 | 10 | 20 |
| 15 | | Bhavesh Chandrashekhar Tapare | 04 | 00 | 07 | 11 |
| 16 | | Bhushan Arunrao Amale | 04 | 00 | 00 | 04 |
| 17 | | Chaitanya Pradiprao Bhende | 04 | 06 | 10 | 20 |
| 18 | | Chanchal Rajendra Jadhao | 04 | 04 | 10 | 18 |
| 19 | | Chetan Sandiprao Gurad | 04 | 06 | 10 | 20 |
| 20 | | Devesh Sureshrao Chaware | 04 | 06 | 10 | 20 |
| 21 | | Dipali Prakash Khandare | 04 | 06 | 10 | 20 |
| 22 | | Gauri Brijpalsingh Thakur | 04 | 06 | 10 | 20 |
| 23 | | Harshada Prashant Patil | 04 | 04 | 10 | 18 |
| 24 | | Harshada Ravindra Pakhale | 04 | 00 | 00 | 04 |
| 25 | | Janhavi Sanjay Verulkar | 04 | 06 | 07 | 17 |
| 26 | | Jash Vijay Kambale | 04 | 06 | 10 | 20 |
| 27 | | Jay Prakash Shende | 04 | 04 | 10 | 18 |
| 28 | | Kalyani Pradiprao Shitbhate | 04 | 06 | 10 | 20 |
| 29 | | Kanchan Prafulrao Chandure | 04 | 04 | 10 | 18 |
| 30 | | Kartik Pradiprao More | 04 | 06 | 07 | 17 |
| 31 | | Madhavi Pramodrao Dabhade | 04 | 06 | 07 | 17 |
| 32 | | Mayuri Prakashrao Raut | 04 | 06 | 07 | 17 |
| 33 | | Meghana Chandrakant Khope | 04 | 06 | 07 | 17 |
| 34 | | Metali Rajusing Chavhan | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2----------

3----------

Signature of H.O.D.

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Principal

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Adarsha Science, J.B. Arts &
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Sant Gadge Baba Amravati University, Amravati

Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – IV, Summer – 2022**

Subject: **Physics**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: **Dr. S. S. Sharma**

| | | | | | | |
|---|---|---|---|---|---|---|
| 35 | | Namdeo Gajanan Madavi | 04 | 00 | 07 | 11 |
| 36 | | Pranali Sunil Walke | 04 | 06 | 10 | 20 |
| 37 | | Prapti Gajanan Panchbuaddhe | 04 | 06 | 10 | 20 |
| 38 | | Prashik Rajiv Chatur | 04 | 06 | 07 | 17 |
| 39 | | Pratik Rameshrao Sarode | 04 | 06 | 10 | 20 |
| 40 | | Pravina Gajanan Pawar | 04 | 06 | 10 | 20 |
| 41 | | Priyanka Dipak Motghare | 04 | 06 | 10 | 20 |
| 42 | | Rashmi Nandkishorrao Raut | 04 | 06 | 10 | 20 |
| 43 | | Renuka Mohan Khope | 04 | 06 | 10 | 20 |
| 44 | | Rushali Sureshrao Nandane | 04 | 06 | 10 | 20 |
| 45 | | Rutik Sudhakar Manohare | 04 | 06 | 10 | 20 |
| 46 | | Ruttik Nandkishor Shende | 04 | 06 | 10 | 20 |
| 47 | | Rutuja Rajendra Dakhore | 04 | 06 | 10 | 20 |
| 48 | | Sampada Virendra Wankhade | 04 | 06 | 10 | 20 |
| 49 | | Sanket Kishorrao Dhemare | 04 | 06 | 10 | 20 |
| 50 | | Shital Digambar Rajankar | 04 | 06 | 10 | 20 |
| 51 | | Shivani Bhanudasji Nachankar | 00 | 00 | 00 | 00 |
| 52 | | Shivani Nilkanth Choudhari | 04 | 04 | 10 | 18 |
| 53 | | Shreya Vinod Raut | 04 | 06 | 10 | 20 |
| 54 | | Shruti Narendrarao Sangode | 04 | 06 | 10 | 20 |
| 55 | | Shruti Rajendra Lakde | 04 | 06 | 10 | 20 |
| 56 | | Shruti Ranjeetsingh Thakur | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2----------

3----------

Signature of H.O.D.

Date:

Verified

Principal

Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

Record of Internal Assessment Marks (2021-2022)

Name of the College: **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly)**

Examination: **B.Sc. – II, Semester – IV, Summer – 2022**

Subject: **Physics**

Paper (with title): **OPTICS, LASER AND RENEWABLE ENERGY SOURCES**

Name of the Teacher: **Dr. S. S. Sharma**

| | | | | | | |
|---|---|---|---|---|---|---|
| 57 | | Snehal Arunrao Nandane | 04 | 00 | 00 | 04 |
| 58 | | Snehal Narayanrao Gulhane | 04 | 04 | 10 | 18 |
| 59 | | Snehal Rajesh Nagrale | 04 | 06 | 10 | 20 |
| 60 | | Sumit Gajananrao Gotefode | 04 | 04 | 07 | 18 |
| 61 | | Suvarna Giridhar Kashte | 04 | 04 | 07 | 15 |
| 62 | | Tejas Arvind Tale | 04 | 04 | 07 | 15 |
| 63 | | Tejas Sanjay Sawant | 04 | 00 | 10 | 14 |
| 64 | | Tejaswini Vijay Zade | 04 | 06 | 10 | 20 |
| 65 | | Unnati Pundlikrao Pande | 04 | 04 | 10 | 18 |
| 66 | | Vaishnavi Kundanrao Jawanjal | 04 | 06 | 10 | 20 |
| 67 | | Vaishnavi Vilasrao Panbude | 04 | 06 | 10 | 20 |
| 68 | | Vedant Manohar Yelkar | 04 | 06 | 10 | 20 |
| 69 | | Vedanti Vilas Chandan | 00 | 04 | 07 | 11 |
| 70 | | Vipin Pramod Dhepe | 04 | 06 | 10 | 20 |
| 71 | | Yash Haribhau Dhadse | 04 | 06 | 10 | 20 |
| 72 | | Yash Jagadish Katgale | 04 | 04 | 10 | 18 |
| 73 | | Yogita Bramhanand Kale | 04 | 06 | 10 | 20 |

Name and Signatures of Teachers:

1 Dr. S. S. Sharma

2 ----------

3 ----------

Date:

Signature of H.O.D.

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Principal

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**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S. N. | Name of the Student | First Test Date: 23/03/2022 Maximum marks: 30 | | Second Test Date: 04/05/2022 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 1 | Achal Sharad Jagtap | 30 | Pass | 26 | Pass | 10 |
| 2 | Akanksha Gajanan Gulhane | 28 | Pass | 30 | Pass | 10 |
| 3 | Akanksha Rajendra Bhujbal | 20 | Pass | 18 | Pass | 07 |
| 4 | Akansha Dinesh Gawande | 24 | Pass | 30 | Pass | 10 |
| 5 | Akshay Bandu Lawankar | 05 | Fail | 20 | Pass | 07 |
| 6 | Alfiya Yunus Shaha | 28 | Pass | 27 | Pass | 10 |
| 7 | Alisha Jayprakash Bhagat | 18 | Pass | 18 | Pass | 07 |
| 8 | Amruta Milind Tinkhede | 25 | Pass | 26 | Pass | 10 |
| 9 | Aniket Anil Gajbhiye | 17 | Pass | 18 | Pass | 07 |
| 10 | Ankita Dilip Hiwarkar | 22 | Pass | 28 | Pass | 10 |
| 11 | Anushri Hiraman Bhagat | 12 | Pass | ABSENT | ABSENT | 05 |
| 12 | Arpita Sunil Kadu | 28 | Pass | 30 | Pass | 10 |
| 13 | Ashlesha Ramdas Walke | 18 | Pass | 10 | Fail | 07 |
| 14 | Atharva Anil Deshpande | 18 | Pass | 24 | Pass | 10 |
| 15 | Bhagyashree A. Waghade | 18 | Pass | 17 | Pass | 07 |
| 16 | Bharavi Pradip Gandole | 30 | Pass | 30 | Pass | 10 |
| 17 | Chanchal Bhojraj Nikhar | 18 | Pass | ABSENT | ABSENT | 07 |
| 18 | Chhaya Ramdas Dandare | 25 | Pass | 26 | Pass | 10 |
| 19 | Disha Ashok Kachave | 25 | Pass | 23 | Pass | 10 |
| 20 | Gopal Sanjay Pawase | 27 | Pass | 08 | Fail | 10 |
| 21 | Indrayani Yogiraj Thakare | ABSENT | ABSENT | ABSENT | ABSENT | 00 |
| 22 | Kartika Krushna Kadu | 28 | Pass | 14 | Pass | 10 |
| 23 | Khushi Prasanna Bhandari | 28 | Pass | 21 | Pass | 10 |
| 24 | Komal Prakash Velukar | 25 | Pass | 21 | Pass | 10 |
| 25 | Labhanshu Mohan Jadhav | 14 | Pass | 18 | Pass | 07 |
| 26 | Lekha Chetan Kothari | 30 | Pass | 30 | Pass | 10 |
| 27 | Madhuri P. Bhamkar | 28 | Pass | 24 | Pass | 10 |
| 28 | Minakshi Gopal Agrawal | 30 | Pass | 30 | Pass | 10 |
| 29 | Monali Rajendra Thakare | 30 | Pass | 30 | Pass | 10 |
| 30 | Mrunal Gajanan Punwatkar | 20 | Pass | 17 | Pass | 07 |
| 31 | Nishigandha S. Kannake | 12 | Pass | 18 | Pass | 07 |
| 32 | Nutan Prabhakar Lamkase | 27 | Pass | 21 | Pass | 10 |
| 33 | Omprakash Gajanan Tayade | 13 | Pass | 11 | Pass | 05 |
| 34 | Pallavi Vijay Badhiye | ABSENT | ABSENT | 20 | Pass | 07 |
| 35 | Payal Chandrashekhar Tarpe | 25 | Pass | 18 | Pass | 10 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

Date: 31/05/2022

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**Record of Class Test (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S. N. | Name of the Student | First Test Date: 21/09/2015 Maximum marks: 30 | | Second Test Date: 21/09/2015 Maximum marks: 30 | | Total Marks awarded |
|---|---|---|---|---|---|---|
| | | Marks Obtained | Pass/Fail | Marks Obtained | Pass/Fail | Out of 10 |
| 36 | Pooja Diliprao Chakole | 10 | Fail | 24 | Pass | 10 |
| 37 | Prajakta Gajanan Kadu | 30 | Pass | 30 | Pass | 10 |
| 38 | Prajwal Jayvant Patil | 30 | Pass | 24 | Pass | 10 |
| 39 | Prajwal Sanjay Savalkar | 18 | Pass | 15 | Pass | 07 |
| 40 | Prajwala Manoj Tirmare | 25 | Pass | 24 | Pass | 10 |
| 41 | Prajyot Milind Pahade | 13 | Pass | ABSENT | ABSENT | 05 |
| 42 | Pratik G. Kalsait | 08 | Fail | 23 | Pass | 07 |
| 43 | Pritam Prakash Ingole | 17 | Pass | 12 | Pass | 05 |
| 44 | Punam Ramesh Kale | 27 | Pass | ABSENT | ABSENT | 10 |
| 45 | Rajashri Rajesh Lad | 20 | Pass | ABSENT | ABSENT | 07 |
| 46 | Rushikesh P. Nandeshwar | 10 | Fail | 18 | Pass | 07 |
| 47 | Sakshi Banduji Malode | 28 | Pass | 26 | Pass | 10 |
| 48 | Sakshi Haridas Dhole | 30 | Pass | 26 | Pass | 10 |
| 49 | Sakshi Nilesh Mankar | 28 | Pass | 24 | Pass | 10 |
| 50 | Sakshi Ravindra Thakare | 30 | Pass | ABSENT | ABSENT | 10 |
| 51 | Sakshi Subhash Rajgure | 25 | Pass | 16 | Pass | 10 |
| 52 | Sakshi Sushil Paliwal | 22 | Pass | 26 | Pass | 10 |
| 53 | Saurabh Rangrao Thombare | 17 | Pass | 08 | Fail | 05 |
| 54 | Shreya Rajkumar Tale | 27 | Pass | 29 | Pass | 10 |
| 55 | Shruti Shankar Sultane | 08 | Fail | 18 | Pass | 07 |
| 56 | Shweta Hiralal Bawangade | 24 | Pass | 18 | Pass | 10 |
| 57 | Shweta Sanjay Ingale | 20 | Pass | 12 | Pass | 07 |
| 58 | Sonal Sudhir Taksande | 20 | Pass | 26 | Pass | 10 |
| 59 | Swapnil Shridhar Pataliya | 13 | Pass | 12 | Pass | 05 |
| 60 | Tanvi Chandrashekhar Mete | 24 | Pass | 26 | Pass | 10 |
| 61 | Tanvi Vinod Gorde | 28 | Pass | 14 | Pass | 10 |
| 62 | Tejal Narendra Hande | 30 | Pass | 29 | Pass | 10 |
| 63 | Trupti S. Meshram | 28 | Pass | 30 | Pass | 10 |
| 64 | Vaishnavi D.Waghade | 20 | Pass | 17 | Pass | 07 |
| 65 | Vaishnavi Khushal Ronghe | 30 | Pass | 30 | Pass | 10 |
| 66 | Vaishnavi Kisan Jadhav | 22 | Pass | 15 | Pass | 07 |
| 67 | Vaishnavi Raju Kalsarpe | 22 | Pass | 18 | Pass | 07 |
| 68 | Vallari Amol Hiwarkar | 27 | Pass | 30 | Pass | 10 |
| 69 | Vedika Govind Mankar | 28 | Pass | 29 | Pass | 10 |
| 70 | Yogita Ishwar Jambhulkar | ABSENT | ABSENT | ABSENT | ABSENT | 00 |

Name and Signatures of Teachers:

1. G.S. Mendhe

2. ----------

3. ----------

Date: 21/09/2022

Signature of H.O.D.

Verified

Principal

Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 1 | Achal Sharad Jagtap | 04 |
| 2 | Akanksha Gajanan Gulhane | 04 |
| 3 | Akanksha Rajendra Bhujbal | 04 |
| 4 | Akansha Dinesh Gawande | 04 |
| 5 | Akshay Bandu Lawankar | 04 |
| 6 | Alfiya Yunus Shaha | 04 |
| 7 | Alisha Jayprakash Bhagat | 04 |
| 8 | Amruta Milind Tinkhede | 04 |
| 9 | Aniket Anil Gajbhiye | 04 |
| 10 | Ankita Dilip Hiwarkar | 04 |
| 11 | Anushri Hiraman Bhagat | 04 |
| 12 | Arpita Sunil Kadu | 04 |
| 13 | Ashlesha Ramdas Walke | 04 |
| 14 | Atharva Anil Deshpande | 04 |
| 15 | Bhagyashree A. Waghade | 04 |
| 16 | Bharavi Pradip Gandole | 04 |
| 17 | Chanchal Bhojraj Nikhar | 04 |
| 18 | Chhaya Ramdas Dandare | 04 |
| 19 | Disha Ashok Kachave | 04 |
| 20 | Gopal Sanjay Pawase | 04 |
| 21 | Indrayani Yogiraj Thakare | 04 |
| 22 | Kartika Krushna Kadu | 04 |
| 23 | Khushi Prasanna Bhandari | 04 |
| 24 | Komal Prakash Velukar | 04 |
| 25 | Labhanshu Mohan Jadhav | 04 |
| 26 | Lekha Chetan Kothari | 04 |
| 27 | Madhuri P. Bhamkar | 04 |
| 28 | Minakshi Gopal Agrawal | 04 |
| 29 | Monali Rajendra Thakare | 04 |
| 30 | Mrunal Gajanan Punwatkar | 04 |
| 31 | Nishigandha S. Kannake | 04 |
| 32 | Nutan Prabhakar Lamkase | 04 |
| 33 | Omprakash Gajanan Tayade | 04 |
| 34 | Pallavi Vijay Badhiye | 04 |
| 35 | Payal Chandrashekhar Tarpe | 04 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

Date: 31/05/22

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

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Sant Gadge Baba Amravati University, Amravati

**Record of Project Assignment (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S. N. | Name of the Student | Marks Awarded (MAXIMUM MARKS: 04) |
|---|---|---|
| 36 | Pooja Diliprao Chakole | 04 |
| 37 | Prajakta Gajanan Kadu | 04 |
| 38 | Prajwal Jayvant Patil | 04 |
| 39 | Prajwal Sanjay Savalkar | 04 |
| 40 | Prajwala Manoj Tirmare | 04 |
| 41 | Prajyot Milind Pahade | 04 |
| 42 | Pratik G. Kalsait | 04 |
| 43 | Pritam Prakash Ingole | 04 |
| 44 | Punam Ramesh Kale | 04 |
| 45 | Rajashri Rajesh Lad | 04 |
| 46 | Rushikesh P. Nandeshwar | 04 |
| 47 | Sakshi Banduji Malode | 04 |
| 48 | Sakshi Haridas Dhole | 04 |
| 49 | Sakshi Nilesh Mankar | 04 |
| 50 | Sakshi Ravindra Thakare | 04 |
| 51 | Sakshi Subhash Rajgure | 04 |
| 52 | Sakshi Sushil Paliwal | 04 |
| 53 | Saurabh Rangrao Thombare | 04 |
| 54 | Shreya Rajkumar Tale | 04 |
| 55 | Shruti Shankar Sultane | 04 |
| 56 | Shweta Hiralal Bawangade | 04 |
| 57 | Shweta Sanjay Ingale | 04 |
| 58 | Sonal Sudhir Taksande | 04 |
| 59 | Swapnil Shridhar Pataliya | 04 |
| 60 | Tanvi Chandrashekhar Mete | 04 |
| 61 | Tanvi Vinod Gorde | 04 |
| 62 | Tejal Narendra Hande | 04 |
| 63 | Trupti S. Meshram | 04 |
| 64 | Vaishnavi D.Waghade | 04 |
| 65 | Vaishnavi Khushal Ronghe | 04 |
| 66 | Vaishnavi Kisan Jadhav | 04 |
| 67 | Vaishnavi Raju Kalsarpe | 04 |
| 68 | Vallari Amol Hiwarkar | 04 |
| 69 | Vedika Govind Mankar | 04 |
| 70 | Yogita Ishwar Jambhulkar | 00 |

Name and Signatures of Teachers:

1. G.S. Mendhe (G.S. Mendhe)

2. ----------

3. ----------

Signature of H.O.D.

Verified

Principal

Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya Dhamangaon Rly.

Date: 31/05/2022

Sant Gadge Baba Amravati University, Amravati

**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S. N. | Name of the Student | Seminar Topic | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 1 | Achal Sharad Jagtap | Microstates , macrostates and thermodynamic probability | 04/05/2022 | 06 |
| 2 | Akanksha Gajanan Gulhane | Types of latices | 01/05/2022 | 06 |
| 3 | Akanksha Rajendra Bhujbal | Magnetic moment of an electron due to orbital motion | 28/04/2022 | 06 |
| 4 | Akansha Dinesh Gawande | Boltzmann Entropy relation | 26/04/2022 | 06 |
| 5 | Akshay Bandu Lawankar | Hysteresis and calculation of energy loss | 12/05/2022 | 06 |
| 6 | Alfiya Yunus Shaha | Classification of magnetic materials | 29/04/2022 | 06 |
| 7 | Alisha Jayprakash Bhagat | Bragg's law | 28/04/2022 | 06 |
| 8 | Amruta Milind Tinkhede | Langevin's theory of diamagnetic materials | 29/04/2022 | 06 |
| 9 | Aniket Anil Gajbhiye | Determination of lattice parameters of NaCl crystal | 01/05/2022 | 06 |
| 10 | Ankita Dilip Hiwarkar | Superconductivity and Meissner effect | 30/04/2022 | 06 |
| 11 | Anushri Hiraman Bhagat | Defects in solids | 05/05/2022 | 06 |
| 12 | Arpita Sunil Kadu | MB statistics | 05/05/2022 | 06 |
| 13 | Ashlesha Ramdas Walke | Superconductivity and types of superconductors | 27/04/2022 | 06 |
| 14 | Atharva Anil Deshpande | Langevin's theory of paramagnetic materials | 28/04/2022 | 06 |
| 15 | Bhagyashree A. Waghade | Application of MB statistics for molecular speed distribution | 18/05/2022 | 06 |
| 16 | Bharavi Pradip Gandole | Expression for avg speed, most probable speed and r.m.s. | 04/05/2022 | 06 |
| 17 | Chanchal Bhojraj Nikhar | BCS theory of superconductivity | 29/04/2022 | 03 |
| 18 | Chhaya Ramdas Dandare | BE statistics | 28/04/2022 | 05 |
| 19 | Disha Ashok Kachave | Superconductors and its applications | 29/04/2022 | 06 |
| 20 | Gopal Sanjay Pawase | Quantum theory of paramagnetic materials | 30/04/2022 | 03 |
| 21 | Indrayani Yogiraj Thakare | Electron collision and mean free path | 14/05/2022 | 06 |
| 22 | Kartika Krushna Kadu | Weiss theory of ferromagnetic materials and Curie Weiss law | 29/04/2022 | 06 |
| 23 | Khushi Prasanna Bhandari | Conductivity and Ohm's law | 28/04/2022 | 05 |
| 24 | Komal Prakash Velukar | Domain theory of ferromagnetic materials | 29/04/2022 | 06 |
| 25 | Labhanshu Mohan Jadhav | Electron in periodic potential | 30/04/2022 | 06 |
| 26 | Lekha Chetan Kothari | Hysteresis and calculation of energy loss | 29/04/2022 | 06 |
| 27 | Madhuri P. Bhamkar | Classification of solids on the basis of energy band structure | 28/04/2022 | 06 |
| 28 | Minakshi Gopal Agrawal | Magnetic moment of an electron due to orbital motion | 27/04/2022 | 06 |
| 29 | Monali Rajendra Thakare | Nanotechnology | 29/04/2022 | 06 |
| 30 | Mrunal Gajanan Punwatkar | Applications of nanotechnology | 02/05/2022 | 06 |
| 31 | Nishigandha S. Kannake | Classification of magnetic materials | 02/05/2022 | 06 |
| 32 | Nutan Prabhakar Lamkase | Superconductivity and Meissner effect | 28/04/2022 | 06 |
| 33 | Omprakash Gajanan Tayade | Microstates , macrostates and thermodynamic probability | 04/05/2022 | 06 |
| 34 | Pallavi Vijay Badhiye | Langevin's theory of diamagnetic materials | 05/05/2022 | 06 |
| 35 | Payal C.Tarpe | Superconductivity and types of superconductors | 29/04/2022 | 03 |

Name and Signatures of Teachers:

1. ---------- Gpadre (G.S. Mendhe)

2. ----------

3. ----------

Signature of H.O.D.

Verified

Principal

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Adarsha Science, J.B. Arts &
Birla Comm., Mahavidyalaya
Dhamangaon Rly.

Date: 31/05/2022

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**Record of Seminar/ study tour /Group Discussion (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S. N. | Name of the Student | Seminar Topic | Presented on/ Held on | Marks Awarded (MAXIMUM MARKS: 06) |
|---|---|---|---|---|
| 36 | Pooja Diliprao Chakole | Applications of BE statistics to Black body radiation | 28/04/2022 | 05 |
| 37 | Prajakta Gajanan Kadu | Boltzmann Entropy relation | 26/04/2022 | 06 |
| 38 | Prajwal Jayvant Patil | BCS theory of superconductivity | 28/04/2022 | 06 |
| 39 | Prajwal Sanjay Savalkar | Superconductors and its applications | 03/05/2022 | 06 |
| 40 | Prajwala Manoj Tirmare | Langevin's theory of paramagnetic materials | 30/04/2022 | 06 |
| 41 | Prajyot Milind Pahade | Nanotechnology | 02/05/2022 | 03 |
| 42 | Pratik G. Kalsait | Applications of nanotechnology | 02/05/2022 | 03 |
| 43 | Pritam Prakash Ingole | MB statistics | 01/05/2022 | 06 |
| 44 | Punam Ramesh Kale | Application of MB statistics for molecular speed distribution | 28/04/2022 | 06 |
| 45 | Rajashri Rajesh Lad | Expression for avg speed, most probable speed and r.m.s. speed | 30/04/2022 | 06 |
| 46 | Rushikesh P. Nandeshwar | Microstates , macrostates and thermodynamic probability | 29/04/2022 | 06 |
| 47 | Sakshi Banduji Malode | FD statistics | 01/05/2022 | 06 |
| 48 | Sakshi Haridas Dhole | BE statistics | 28/04/2022 | 06 |
| 49 | Sakshi Nilesh Mankar | Applications of BE statistics to Black body radiation | 05/05/2022 | 06 |
| 50 | Sakshi Ravindra Thakare | Miller indices | 29/04/2022 | 06 |
| 51 | Sakshi Subhash Rajgure | Reciprocal lattice | 02/05/2022 | 06 |
| 52 | Sakshi Sushil Paliwal | Boltzmann Entropy relation | 29/04/2022 | 06 |
| 53 | Saurabh Rangrao Thombare | Domain theory of ferromagnetic materials | 02/05/2022 | 03 |
| 54 | Shreya Rajkumar Tale | Types of lattices | 28/04/2022 | 06 |
| 55 | Shruti Shankar Sultane | Quantum theory of paramagnetic materials | 30/04/2022 | 03 |
| 56 | Shweta Hiralal Bawangade | Bragg's law | 29/04/2022 | 06 |
| 57 | Shweta Sanjay Ingale | Weiss theory of ferromagnetic materials and Curie Weiss law | 14/05/2022 | 06 |
| 58 | Sonal Sudhir Taksande | Determination of lattice parameters of NaCl crystal | 27/04/2022 | 06 |
| 59 | Swapnil Shridhar Pataliya | Defects in solids | 12/05/2022 | 06 |
| 60 | Tanvi Chandrashekhar Mete | Electron collision and mean free path | 29/04/2022 | 06 |
| 61 | Tanvi Vinod Gorde | MB statistics | 28/04/2022 | 06 |
| 62 | Tejal Narendra Hande | Conductivity and Ohm's law | 30/04/2022 | 06 |
| 63 | Trupti S. Meshram | Fermi function, Fermi energy and Fermi temperature | 01/05/2022 | 06 |
| 64 | Vaishnavi D.Waghade | Miller indices | 13/05/2022 | 06 |
| 65 | Vaishnavi Khushal Ronghe | Classification of solids on the basis of energy band structure | 27/04/2022 | 06 |
| 66 | Vaishnavi Kisan Jadhav | Application of MB statistics for molecular speed distribution | 30/04/2022 | 03 |
| 67 | Vaishnavi Raju Kalsarpe | Reciprocal lattice | 13/05/2022 | 06 |
| 68 | Vallari Amol Hiwarkar | Expression for avg speed, most probable speed and r.m.s. speed | 29/04/2022 | 06 |
| 69 | Vedika Govind Mankar | BE statistics | 28/04/2022 | 06 |
| 70 | Yogita Ishwar Jambhulkar | **ABSENT** | -- | 00 |

Name and Signatures of Teachers:

1. ---------- (G.S. Mendhe)
2. ----------
3. ----------

Signature of H.O.D.

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Principal

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Dhamangaon Rly.

Date: 31/05/2022

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**Record of Internal Assessment Marks (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S.N. | Roll No. | Name of the Student | Assessment/ project assignment Max. Marks:- 04 | Seminar/ group discussion/ study tour/Industrial visit/visit to educational institutes/research organization/field work etc Max marks 06 | Class test Max.Marks :-10 | Total Max.Marks: -20 |
|---|---|---|---|---|---|---|
| 1 | 21AB510543 | Achal Sharad Jagtap | 04 | 06 | 10 | 20 |
| 2 | 21AB510545 | Akanksha Gajanan Gulhane | 04 | 06 | 10 | 20 |
| 3 | 21AB510546 | Akanksha Rajendra Bhujbal | 04 | 06 | 07 | 17 |
| 4 | 21AB510547 | Akansha Dinesh Gawande | 04 | 06 | 10 | 20 |
| 5 | 21AB510549 | Akshay Bandu Lawankar | 04 | 06 | 07 | 17 |
| 6 | 21AB510550 | Alfiya Yunus Shaha | 04 | 06 | 10 | 20 |
| 7 | 21AB510551 | Alisha Jayprakash Bhagat | 04 | 06 | 07 | 17 |
| 8 | 21AB510552 | Amruta Milind Tinkhede | 04 | 06 | 10 | 20 |
| 9 | 21AB510553 | Aniket Anil Gajbhiye | 04 | 06 | 07 | 17 |
| 10 | 21AB510554 | Ankita Dilip Hiwarkar | 04 | 06 | 10 | 20 |
| 11 | 21AB510555 | Anushri Hiraman Bhagat | 04 | 06 | 05 | 15 |
| 12 | 21AB510557 | Arpita Sunil Kadu | 04 | 06 | 10 | 20 |
| 13 | 21AB510558 | Ashlesha Ramdas Walke | 04 | 06 | 07 | 17 |
| 14 | 21AB510560 | Atharva Anil Deshpande | 04 | 06 | 10 | 20 |
| 15 | 21AB510562 | Bhagyashree A. Waghade | 04 | 06 | 07 | 17 |
| 16 | 21AB510563 | Bharavi Pradip Gandole | 04 | 06 | 10 | 20 |
| 17 | 21AB510564 | Chanchal Bhojraj Nikhar | 04 | 03 | 07 | 14 |
| 18 | 21AB510566 | Chhaya Ramdas Dandare | 04 | 05 | 10 | 19 |
| 19 | 21AB510570 | Disha Ashok Kachave | 04 | 06 | 10 | 20 |
| 20 | 21AB510575 | Gopal Sanjay Pawase | 04 | 03 | 10 | 17 |
| 21 | 21AB510576 | Indrayani Yogiraj Thakare | 04 | 06 | 00 | 10 |
| 22 | 21AB510580 | Kartika Krushna Kadu | 04 | 06 | 10 | 20 |
| 23 | 21AB510581 | Khushi Prasanna Bhandari | 04 | 05 | 10 | 19 |
| 24 | 21AB510582 | Komal Prakash Velukar | 04 | 06 | 10 | 20 |
| 25 | 21AB510583 | Labhanshu Mohan Jadhav | 04 | 06 | 07 | 17 |
| 26 | 21AB510584 | Lekha Chetan Kothari | 04 | 06 | 10 | 20 |
| 27 | 21AB510585 | Madhuri P. Bhamkar | 04 | 06 | 10 | 20 |
| 28 | 21AB510586 | Minakshi Gopal Agrawal | 04 | 06 | 10 | 20 |
| 29 | 21AB510588 | Monali Rajendra Thakare | 04 | 06 | 10 | 20 |
| 30 | 21AB510589 | Mrunal Gajanan Punwatkar | 04 | 06 | 07 | 17 |
| 31 | 21AB510592 | Nishigandha S. Kannake | 04 | 06 | 07 | 17 |
| 32 | 21AB510593 | Nutan Prabhakar Lamkase | 04 | 06 | 10 | 20 |
| 33 | 21AB510594 | Omprakash Gajanan Tayade | 04 | 06 | 05 | 15 |
| 34 | 21AB510598 | Pallavi Vijay Badhiye | 04 | 06 | 07 | 17 |
| 35 | 21AB510599 | Payal Chandrashekhar Tarpe | 04 | 03 | 10 | 17 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

Date: 31/05/2022

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Adarsha Science, J.B. Arts & Birla Comm., Mahavidyalaya Dhamangaon Rly.

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**Record of Internal Assessment Marks (2021-22)**

Name of the college: - **Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Subject: **PHYSICS**

Examination: **B.Sc. III (Sem- VI), Summer 2022**

Paper (with title): Statistical mechanics and solid state Physics

Name of the Teacher: (1) Mr. G. S. MENDHE (Assistant professor)

| S.N. | Roll No. | Name of the Student | Assessment/ project assignment Max. Marks:- 04 | Seminar/ group discussion/ study tour/Industrial visit/visit to educational institutes/research organization/field work etc Max marks 06 | Class test Max.Marks :-10 | Total Max.Marks: -20 |
|---|---|---|---|---|---|---|
| 36 | 21AB510600 | Pooja Diliprao Chakole | 04 | 05 | 10 | 19 |
| 37 | 21AB510602 | Prajakta Gajanan Kadu | 04 | 06 | 10 | 20 |
| 38 | 21AB510603 | Prajwal Jayvant Patil | 04 | 06 | 10 | 20 |
| 39 | 21AB510604 | Prajwal Sanjay Savalkar | 04 | 06 | 07 | 17 |
| 40 | 21AB510605 | Prajwala Manoj Tirmare | 04 | 06 | 10 | 20 |
| 41 | 21AB510606 | Prajyot Milind Pahade | 04 | 03 | 05 | 12 |
| [redacted] | 21AB510607 | Pratik G. Kalsait | 04 | 03 | 07 | 14 |
| [redacted] | 21AB510610 | Pritam Prakash Ingole | 04 | 06 | 05 | 15 |
| 44 | 21AB510612 | Punam Ramesh Kale | 04 | 06 | 10 | 20 |
| 45 | 21AB510613 | Rajashri Rajesh Lad | 04 | 06 | 07 | 17 |
| 46 | 21AB510615 | Rushikesh P. Nandeshwar | 04 | 06 | 07 | 17 |
| 47 | 21AB510617 | Sakshi Banduji Malode | 04 | 06 | 10 | 20 |
| 48 | 21AB510618 | Sakshi Haridas Dhole | 04 | 06 | 10 | 20 |
| 49 | 21AB510620 | Sakshi Nilesh Mankar | 04 | 06 | 10 | 20 |
| 50 | 21AB510622 | Sakshi Ravindra Thakare | 04 | 06 | 10 | 20 |
| 51 | 21AB510623 | Sakshi Subhash Rajgure | 04 | 06 | 10 | 20 |
| 52 | 21AB510624 | Sakshi Sushil Paliwal | 04 | 06 | 10 | 20 |
| 53 | 21AB510627 | Saurabh Rangrao Thombare | 04 | 03 | 05 | 12 |
| 54 | 21AB510630 | Shreya Rajkumar Tale | 04 | 06 | 10 | 20 |
| 55 | 21AB510634 | Shruti Shankar Sultane | 04 | 03 | 07 | 14 |
| 56 | 21AB510637 | Shweta Hiralal Bawangade | 04 | 06 | 10 | 20 |
| 57 | 21AB510638 | Shweta Sanjay Ingale | 04 | 06 | 07 | 17 |
| 58 | 21AB510641 | Sonal Sudhir Taksande | 04 | 06 | 10 | 20 |
| 59 | 21AB510642 | Swapnil Shridhar Pataliya | 04 | 06 | 05 | 15 |
| [redacted] | 21AB510643 | Tanvi Chandrashekhar Mete | 04 | 06 | 10 | 20 |
| [redacted] | 21AB510644 | Tanvi Vinod Gorde | 04 | 06 | 10 | 20 |
| 62 | 21AB510645 | Tejal Narendra Hande | 04 | 06 | 10 | 20 |
| 63 | 21AB510646 | Trupti S. Meshram | 04 | 06 | 10 | 20 |
| 64 | 21AB510647 | Vaishnavi D.Waghade | 04 | 06 | 07 | 17 |
| 65 | 21AB510648 | Vaishnavi Khushal Ronghe | 04 | 06 | 10 | 20 |
| 66 | 21AB510649 | Vaishnavi Kisan Jadhav | 04 | 03 | 07 | 14 |
| 67 | 21AB510651 | Vaishnavi Raju Kalsarpe | 04 | 06 | 07 | 17 |
| 68 | 21AB510652 | Vallari Amol Hiwarkar | 04 | 06 | 10 | 20 |
| 69 | 21AB510653 | Vedika Govind Mankar | 04 | 06 | 10 | 20 |
| 70 | 21AB510654 | Yogita Ishwar Jambhulkar | 00 | 00 | 00 | 00 |

Name and Signatures of Teachers:

1. G. S. Mendhe

2. ----------

3. ----------

Signature of H.O.D.

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Principal

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Adarsha Science, J.B. Arts &
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Dhamangaon Rly.

Date: 21/05/2022

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DEPARTMENT OF MATHEMATICS

# NOTICE

All the students of B.Sc. I (Sem I), B.Sc. II (Sem III), and B.Sc. III (Sem V) (Mathematics) are hereby informed that their 30 Marks Internal Assessment marks Unit Test will be held for winter 2021 as per the time table given below. All the students need to be present for the test. Otherwise their internal marks will not be sent to the University.

| Class | Date | Time | Day | Paper Name | Syllabus |
|---|---|---|---|---|---|
| B.Sc.I (Sem I) | 10/ 01/ 2022 | 11:00 to 12:00 p.m. | Monday | Differential & Integral Calculus | Units 1, 2 & 3 |
| B.Sc.II (Sem III) | 07/01/ 2022 | 10.00 to 11:00 a.m. | Friday | Advanced Calculus | Units 1, 2, 3, & 4 |
| B.Sc.III (Sem V) | 08/01/ 2022 | 10.00 to 11.00 a.m. | Saturday | Mathematical Analysis | Units 1, 3, & 4 |

**Instructions:**

1) Mode of Examination : **Online**
2) Time : 1 Hour
3) Total Marks : 30
4) Paper contains 30 Multiple Choice questions.
5) Each question carries 1 marks
6) There is no Negative marking for wrong answers.
7) Link of examination will be given on your class whats app group before 5 minutes
8) Link will close sharp on the above given time.

**Syllabus:**

**B.Sc. I:** Unit1: Limit and Continuity, Unit 2: Differentiability, Unit 3: Taylors and Maclaurin's Series

**B.Sc. II:** Unit 1: Sequence, Unit 2: Series, Unit 3: Limit & Continuity for functions of two variables, Unit 4: Maxima & Minima

**B.Sc. III:** Unit 1: Riemann Integral, Unit 3: Analytic Function, Unit 4: Mobius Transformation.

Rangari

Dr. A. N. Rangari
Department of Mathematics

Date:- 23/12/2021

Principal

(Dr. Y. B. Gandole)

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Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya, Dhamangaon Rly.

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ADARSH SCIENCE, J. B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY

DEPARTMENT OF MATHEMATICS

# NOTICE

All the students of B.Sc. I (Mathematics) are hereby informed that they submit their Assignments on or before 10/01/2022. The Assignments submitted afterwards will not be considered.

Rangari
Dr. A. N. Rangari
Department of Mathematics

Date:-23/12/2021

Principal

(Dr. Y. B. Gandole)

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DEPARTMENT OF MATHEMATICS

# NOTICE

All the students of B.Sc. II (Sem IV), and B.Sc. III (Sem VI) (Mathematics) are hereby informed that they make their mathematics seminar video of 5-10 minutes and submit (post) their mathematics seminar videos on their Google classroom on or before 10/01/2022. The videos submitted afterwards will not be considered.

It is compulsory for all students of Mathematics.

Marks on seminar: 4 Marks

Prof. A. N. Rangari
Department of Mathematics
Date:- 23/12/2021

Principal
(Dr. Y. B. Gandole)
PRINCIPAL
Adarsha Science, J.B. Arts &
Birla Comm. Mahavidyalaya,
Dhamangaon Rly.

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# NOTICE

All students of B.Sc-I (Sem-I) ,B.Sc-II(Sem-III),and B.Sc-III (Sem-V) (Mathematics) are hereby to informed that Internal Assessment Unit test(online) will be held for Winter-2021 as per the time table given below.All the students need to be present for the test.otherwise their internal marks will not be sent to the university.

| Class | Date | Paper Name | Syllabus |
|---|---|---|---|
| B.Sc-I Sem-I | 18-01-2022 | Algebra & Trignometry | Unit I,II,III |
| B.Sc-II Sem –III | 18-01-2022 | Number Thoery | UNIT I,II,III |
| B.Sc-III Sem-V | 18-01-2022 | Mathematical Method | UNIT I,II,III |

Dr.S.N.Bayaskar
Department of mathematics
Date:10-01-2022

Principal
Dr.Y.B.Gandole
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

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**Adarsha Science j.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Class: B.Sc. Part- I (Semester-I)**

**Subject: Mathematics Paper- I** (Algebra and Trigonometry)

**Choose the correct alternative**

(1) The value $\sin iz$ is .....

(a) $\sinh z$ (b) $i\sinh z$ (c) $i\sin z$ (d) $-i\sinh z$

(2) If complex number $z = 1 - \sqrt{3}\,i$, then value of $|z|$ is .....

(a) $\sqrt{3}$ (b) $-\sqrt{3}$ (c) -2 (d) 2

(3) If $Z_1$, $Z_2$ are complex numbers then $\overline{Z_1 \pm Z_2} = \square$

(a) $Z_1 + Z_2$ (b) $\overline{Z_1} \pm \overline{Z_2}$ (c) $\overline{Z_1 \square Z_2}$ (d) $Z_1 - Z_2$

(4) The value of $\arg\left(\frac{z_1}{z_2}\right)$ is ...

(a) $\arg z_1 + \arg z_2$. (b) $\arg z_1 - \arg z_2$. (c) $\frac{\arg z_1}{\arg z_2}$ (d) none of these

(5) Value of $\cosh\theta$ is ...

(a) $\cos i\theta$ (b) $i\cos\theta$ (c) $-\cos i\theta$ (d) none of these

(6) The value of $(\cos n\theta - i\sin n\theta)^{-n} = \square\,\square$ $(cos\theta - sin\theta)^{-n}$

(a) $\cos n\theta + i\sin n\theta$ (b) $\cos n\theta - i\sin n\theta$

(c) $\sin n\theta + i\cos n\theta$ (d) none of these

(7) If $\theta - n\pi = tan\theta - \frac{1}{3}tan^3\theta + \frac{1}{5}tan^5\theta - \cdots$ $\theta - n\pi = tan\theta - \frac{1}{3}tan^3\theta + \frac{1}{5}tan^5\theta - \cdots$, then the value of $n\,n$ when $x\,x$ lies between

$-\frac{3\pi}{4}$ and $-\frac{5\pi}{4}$ $-\frac{3\pi}{4}$ and $-\frac{5\pi}{4}$ is .....

(a) 1 (b) -1 (c) $i$ (d) none of these

(8) The value of $tan^{-1}\frac{1}{2} + tan^{-1}\frac{1}{3}$ $tan^{-1}\frac{1}{2} + tan^{-1}\frac{1}{3}$ is .....

(a) $\frac{\pi}{2}$ (b) $2\pi$ (c) $\pi$ (d) $\frac{\pi}{4}$

(9) The Descartes rule of signs does not tell about the.....

(a) positive root of the equation (b) negative root of the equation

(c) zero root of the equation (d) imaginary root of the equation



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(10) The Hamilton product $ijk = \square\,\square$ $ijk = -1$.

(a) 1 (b) -1 (c) $i$ (d) $-i$

(11) If $f\,f$ is selection function, then $f(2+3i+j-k) = \square\,\square$ $f(2+3i+j-k) = 2$.

(a) 2 (b) -2 (c) $2i$ (d) $-2i$

(12) Every equation of degree $n\ n$ has $n$ .....

(a) $n$ roots (b) $(n+1)$ roots (c) $(n-1)$ roots (d) none of these

(13) An $n\,n$ square matrix A has rank $r < n\ r < n$ iff $\det(A) = \square\,\square$ $\det(A) = 0$

(a) $\det(A) = 0$ (b) $\det(A) = 1$ (c) $\det(A) = -1$ (d) none of these

(14) The value of $e^{-\pi i}\ e^{-\pi i}$ is .....

(a) 1 (b) -1 (c) $i$ (d) $-i$

(15) The series $x - \frac{1}{3}x^3 + \frac{1}{5}x^5 - \cdots\ x - \frac{1}{3}x^3 + \frac{1}{5}x^5 - \cdots$ is called .....

(a) Gregory's series (b) Machine series

(c) Rutherford's series (d) exponential series

(16) The inverse of unit quaternion is its.....

(a) real (b) complex conjugate (c) imaginary (d) none of these

(17) An equation of third degree is .....

(a) Monic (b) quadratic (c) cubic (d) none of these

(18) Every equation of odd degree has at least ..... real root.

(a) one (b) three (c) positive (d) none of these

(19) The rank of a matrix whose every element is unity is equal to .....

(a) 2 (b) 4 (c) 6 (d) none of these

(20) The rank of $n\,n$-square identity matrix is .....

(a) $n$ (b) $n-1$ (c) $n+1$ (d) none of these

(21) The real part of $\sin(x+iy)\sin(x+iy)$ is .....

(a) $\sin x \cosh y$ (b) $\sinh x \cos y$ (c) $\sinh y \cos x$ (d) none of these

(22) If $e^{i\theta} = -i\ e^{i\theta} = -i$, then the value of $\theta\,\theta$ is .....



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(a) $\pi$ (b) $2\pi$ (c) $\frac{\pi}{2}$ (d) $-\frac{\pi}{2}$

(23) If $\theta - n\pi = tan\theta - \frac{1}{3}tan^3\theta + \frac{1}{5}tan^5\theta - \cdots$ $\theta - n\pi = tan\theta - \frac{1}{3}tan^3\theta + \frac{1}{5}tan^5\theta - \cdots$, then the value of $n\,n$ when $x\,x$ lies between

$-\frac{7\pi}{4}$ and $-\frac{9\pi}{4}$ $-\frac{7\pi}{4}$ and $-\frac{9\pi}{4}$ is 2 .....

(a) 2 (b) -2 (c) 4 (d) – 4

(24) The series $4tan^{-1}\frac{1}{5} + tan^{-1}\frac{1}{70} + tan^{-1}\frac{1}{99} = \frac{\pi}{4}$ $4tan^{-1}\frac{1}{5} + tan^{-1}\frac{1}{70} + tan^{-1}\frac{1}{99} = \frac{\pi}{4}$ is .....

(a) Exponential series (b) Machine series (c) Rutherford's series (d) Gregory's series

(25) The norm of quaternion $q = 2 + 2i - j + 4k$ $q = 2 + 2i - j + 4k$ is .....

(a) 5 (b) -5 (c) 2 (d) -2

(26) A unit quaternion $q\,q$ is represented by ..... $\boldsymbol{q = cos\theta + \bar{u}sin\theta}$

(a) $q = \cos\theta + \bar{u}\sin\theta$ (b) $q = \cos\theta - \bar{u}\sin\theta$

(c) $q = \sin\theta + \bar{u}\cos\theta$ (d) none of these

(27) The number of positive and negative roots of an equations of degree $n\,n$ is found by.....

(a) L'Hospital rule (b) Descarte's rule of Signs

(c) Simson's rule (d) none of these

(28) The equation $x^4 - 3x^2 - 1 = 0$ $x^4 - 3x^2 - 1 = 0$ must have ..... roots.

(a) one (b) two (c) three (d) four

(29) The rank of a zero matrix is .....

(a) zero (b) one (c) two (d) three

(30) The eigen value of Hermition matrix are .....

(a) all real (b) all imaginary (c) all positive (d) all negative



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**Mathematics Paper- I** (Algebra and Trigonometry)

**Answer key**

| Que. | Ans. | Que. | Ans. | Que. | Ans. |
|---|---|---|---|---|---|
| 1 | (b) | 11 | (a) | 21 | (a) |
| 2 | (d) | 12 | (a) | 22 | (d) |
| 3 | (b) | 13 | (a) | 23 | (a) |
| 4 | (b) | 14 | (b) | 24 | (c) |
| 5 | (b) | 15 | (a) | 25 | (a) |
| 6 | (a) | 16 | (b) | 26 | (a) |
| 7 | (b) | 17 | (c) | 27 | (b) |
| 8 | (d) | 18 | (a) | 28 | (d) |
| 9 | (c) | 19 | (d) | 29 | (a) |
| 10 | (b) | 20 | (a) | 30 | (a) |



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# Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

## Department of Mathematics

Session 2020-2021 (Winter 2021)

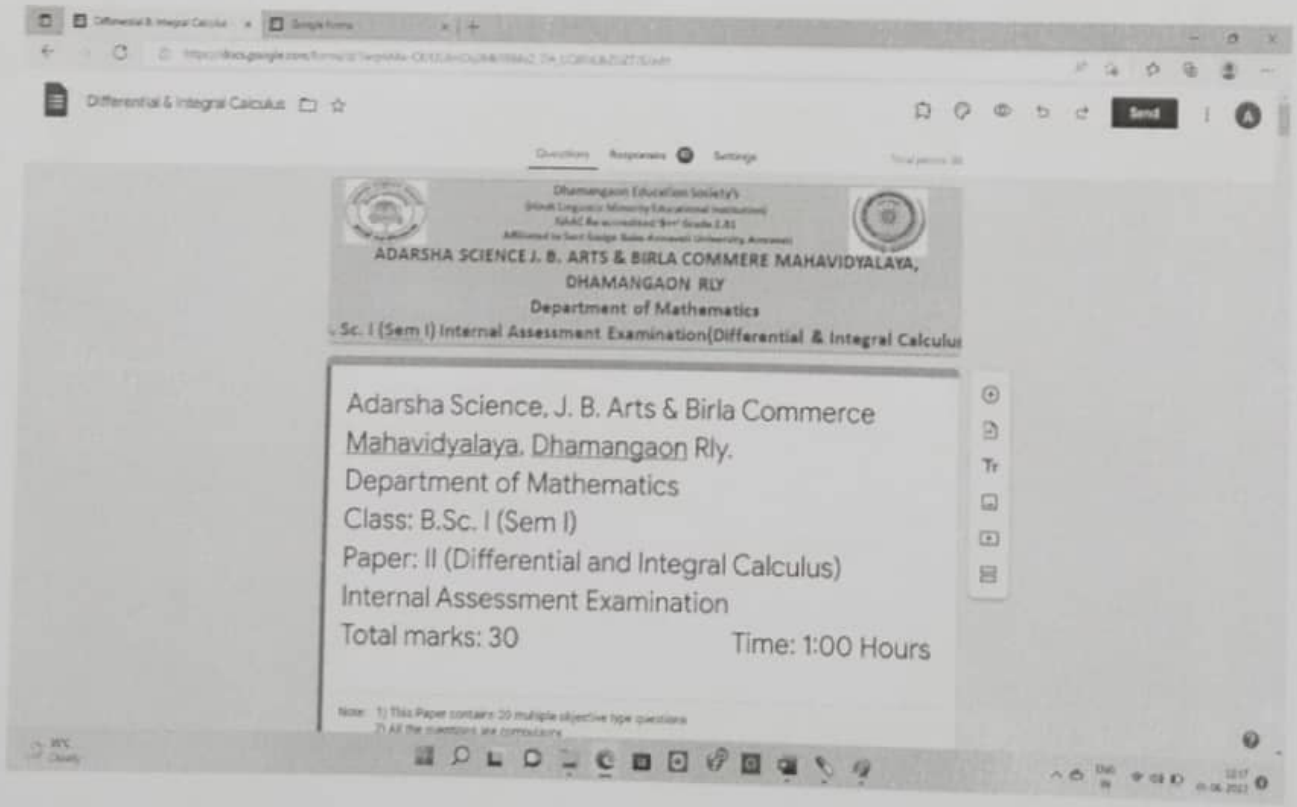
Online Examinations

Class: B.Sc. I (Sem I)

Paper I: Differential & Integral Calculus

INTERNAL ASSESSMENT TEST

Link: https://forms.gle/KBRn9jYajktgTHrt5



# Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

## Department of Mathematics

Session 2021-2022 (Winter 2021)

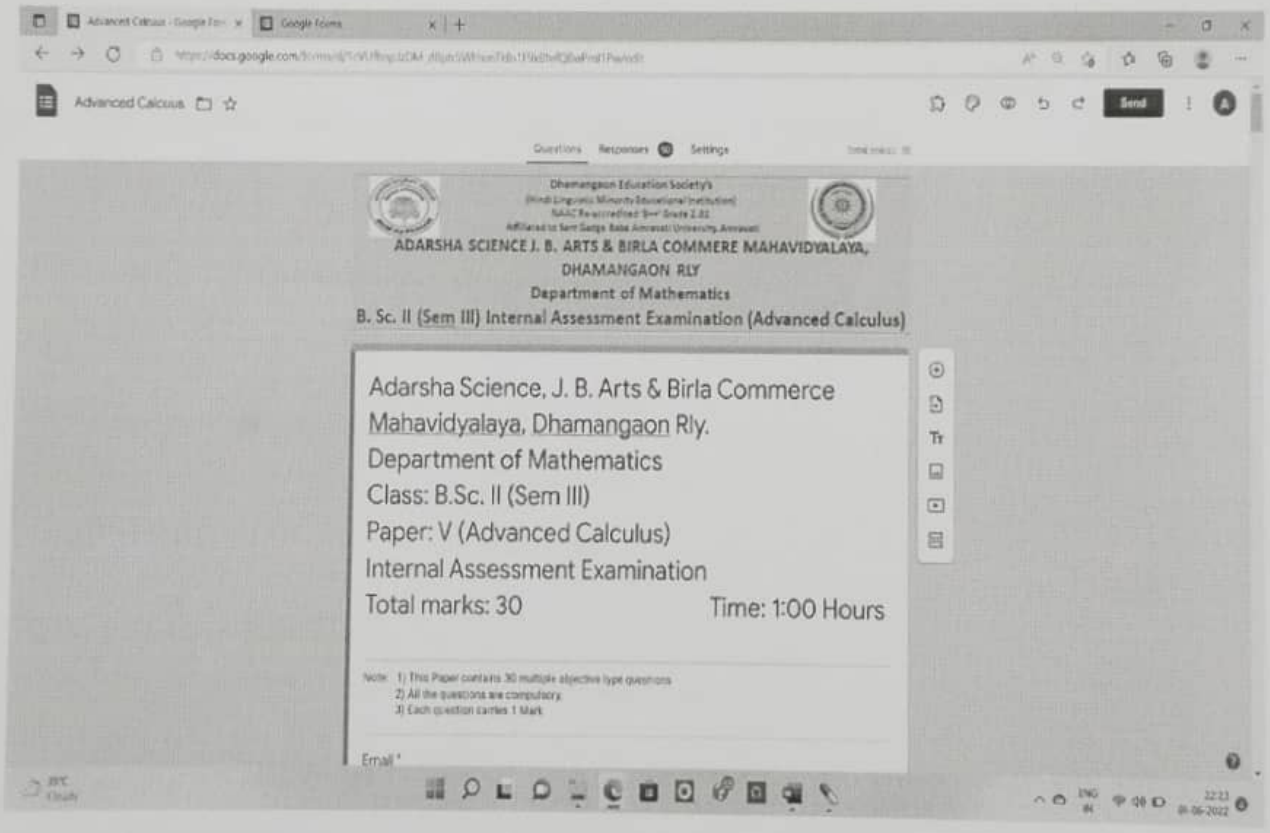
Online Examinations

Class: B.Sc. II (Sem III)

Paper I: Advanced Calculus

INTERNAL ASSESSMENT TEST

Link: https://forms.gle/eWsoukNJ2YZU6Eec9




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Internal Test

Summer 2021

**Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Class: B.Sc. Part- II (Semester-III)**

**Subject: Mathematics Paper- VI** (Elementary Number Theory)

**Choose the correct alternative**

(1) The number of multiples of $10^{44}$ that divides $10^{55}$ is .....

(a) 144 (b) 11 (c) 121 (d) 12

(2) The integers of the form $2^{2^n}+1$ are called the : ...

(a) Prime number (b) Ramanuj number (c) Fermat numbers (d) Real number

(3) If $p$ is prime then $2^p+3^p$ is .....

(a) Perfect square (b) Not perfect square (c) Positive integer (d) Negative integer

(4) A solution of $ax \equiv 1 \pmod{m}$ with $(a,m)=1$ is called an .....

(a) Even number (b) Odd number (c) Modulo $m$ (d) Inverse of modulo $m$

(5) What is the total number of solutions in integers to the equation $3x+5y=21$ ?.

(a) 0 (b) $\infty$ (c) 2 (d) 4

(6) The set $\{0,1,2,3\}$ is complete system of residues modulo ....

(a) 3 (b) 4 (c) 5 (d) 2

(7) The function $f$ is multiplicative if:

(a) $f(m \cdot n) = f(m)/f(n)$ (b) $f(mn) = f(n)/f(m)$

(c) $f(mn) = f(m)f(n)$ (d) None of these

(8) The number of primitive roots of 53 is :

(a) Zero (b) One (c) Twenty (d) Twenty four

(9) The equation $m^2 - 33n + 1 = 0$, where $m,n$ are integers, has ....

(a) Exactly one solution (b) No solution

(c) Infinitely many solutions (d) Exactly two solutions

(10) The number of solutions to the congruence $x^3 \equiv 3 \pmod{7}$ is :

(a) 3 (b) 2 (c) 1 (d) No solution



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(11) The product of any $m$ consecutive integers is divisible by.....

(a) $(m+1)!$ (b) $(m-1)!$ (c) $m!$ (d) $\frac{m}{2}!$

(12) If $c>0$ is common divisor of $a$ and $b$, then $\left(\frac{a}{c},\frac{b}{c}\right)=$□

(a) $\frac{(a,b)}{c}$ (b) $\frac{[a,b]}{c}$ (c) $\frac{c}{(a,b)}$ (d) $\frac{c}{[a,b]}$

(13) The conjecture "Every odd integer is the sum of at most three primes" is given by:

(a) Euler (b) Goldbach (c) Eratothenes (d) None of these

(14) If $x>0$, $y>0$ and $x-y$ is even, then $x^2-y^2$ is divisible by:

(a) 3 (b) 4 (c) 5 (d) 7

(15) If $n>2$ is positive integer, then $1^3+2^3+3^3+4^3+$□□$+(n-1)^3\equiv$□□

(a) $0 \pmod n$ (b) $1 \pmod n$ (c) $2 \pmod n$ (d) None of these

(16) If $n=18$ then the pair of $\tau(18)$ and $\sigma(18)$ is.....

(a) (6,39) (b) (6,40) (c) (7,93) (d) (7,92)

(17) If $O_m(a)=n$, then $O_m(a^k)=$□□

(a) $\frac{m}{(m,k)}$ (b) $\frac{n}{(m,n)}$ (c) $\frac{n}{(n,k)}$ (d) None of these

(18) The quadratic residues of 7 are .....

(a) (2, 3, 4) (b) (3, 5, 6) (c) (1, 2, 4) (d) None of these

(19) If $(a,b)=1$ then integers $a$ and $b$ are.....

(a) Prime (b) Relatively primes (c) Composite (d) None of these

(20) An integer $r$ is root of $f(x)$ modulo $p$ if .....

(a) $f(r)\equiv 1 \pmod p$ (b) $f(r)\equiv 0 \pmod p$

(c) $f(r)\equiv 2 \pmod p$ (d) $f(r)\equiv p \pmod 2$

(21) The number of quadratic non residues modulo 23 is .....

(a) 10 (b) 22 (c) 11 (d) 2

(22) The congruence $x^n\equiv 2 \pmod{13}$ has a solution for $x$ if ....



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(a) $n=5$ (b) $n=7$ (c) $n=6$ (d) $n=8$

(23) If $p$ is a quadratic residue of an odd prime $q$, then $q$ is a .....

(a) quadratic residue of $p$ (b) quadratic residue of $q$

(c) prime (d) residue of $p$

(24) By Fermat's theorem when $8^{103}$ is divided by 103 , the remainder is.....

(a) 103 (b) 8 (c) 9 (d) 10

(25) Every positive integer greater than one has .....

(a) one prime divisor (b) at least one prime divisor

(c) greater than one prime divisor (d) None of these

(26) If $n$ is odd integer , then $n(n^2-1)$ is divisible by....

(a) 36 (b) 35 (c) 24 (d) 49

(27) The product of five consecutive integers is divisible by.....

(a) 30 (b) 60 (c) 90 (d) 120

(28) If $(a,4)=2$ and $(b,4)=2$ , then $(a+b,4)=$ □ □

(a) 2 (b) 4 (c) 6 (d) None of these

(29) If you write all numbers from 401 to 500, how many times you write the numeral 4 ?

(a) 119 (b) 121 (c) 126 (d) 129

(30) The set $\{0,1,2,\square\ \square\ ,m-1\}$ is a complete system of residues modulo ....

(a) $m!$ (b) $(m-1)!$ (c) $m$ (d) $m-1$



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## Mathematics Paper- VI (Elementary Number Theory )

### Answer key

| Que. | Ans. | Que. | Ans. | Que. | Ans. |
|---|---|---|---|---|---|
| 1 | (a) | 11 | (c) | 21 | (c) |
| 2 | (c) | 12 | (a) | 22 | (b) |
| 3 | (b) | 13 | (b) | 23 | (a) |
| 4 | (d) | 14 | (b) | 24 | (b) |
| 5 | (b) | 15 | (a) | 25 | (b) |
| 6 | (b) | 16 | (a) | 26 | (c) |
| 7 | (c) | 17 | (c) | 27 | (d) |
| 8 | (d) | 18 | (c) | 28 | (b) |
| 9 | (b) | 19 | (b) | 29 | (a) |
| 10 | (d) | 20 | (b) | 30 | (c) |



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# Adarsha Science, J. B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly.

## Department of Mathematics

Session 2020-2022 (Winter 2021)

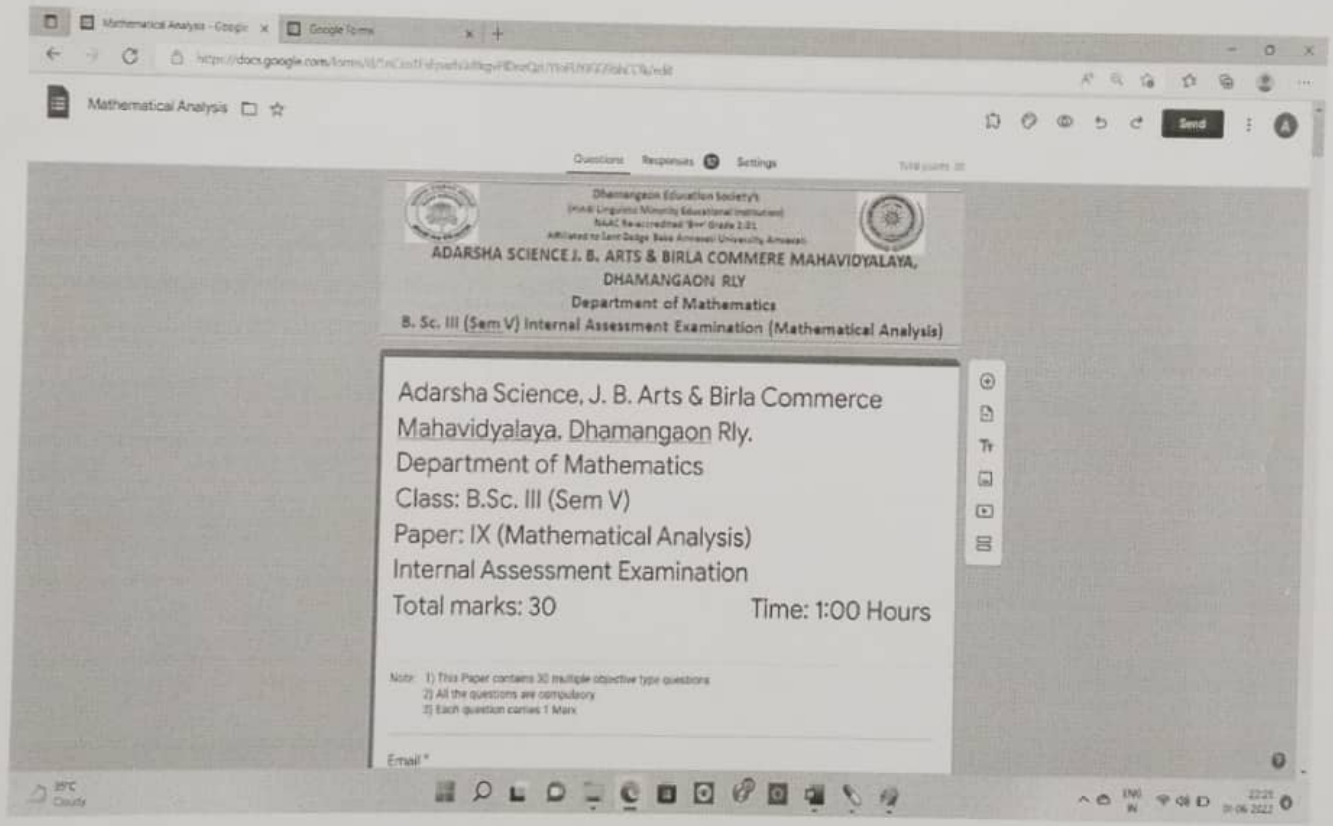
Online Examinations

Class: B.Sc. III (Sem V)

Paper I: Mathematical Analysis

INTERNAL ASSESSMENT TEST

Link: https://forms.gle/v67JZ47r1ztWYyMNA




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Adarsha Science, J.B. Arts and Birla Commerce, Mahavidyalaya, Dhemangaon Rly.

**Class: B.Sc. Part- III (Semester-V)**

**Subject: Mathematics Paper- X (Mathematical Methods)**

**Choose the correct alternative**

(1) The value of $P'(1)_n$ is .....

(a) $n$ (b) $n+1$ (c) $n(n+1)$ (d) $\frac{1}{2}n(n+1)$

(2) If $P_n(x)=x$, then the value of $n$ is....

(a) 0 (b) $-1$ (c) 1 (d) None of these

(3) The value of $\left[J_{\frac{1}{2}}(x)\right]^2+\left[J_{-\frac{1}{2}}(x)\right]^2$ is.....

(a) $\frac{2}{\pi x}$ (b) $\frac{\pi x}{2}$ (c) $\frac{\pi}{2}$ (d) Zero

(4) Each eigen function $Y_n(x)$ corresponding to the eigen values $\lambda_n$ $(n=1,2,3,\ldots)$ has exactly ..... Zeros in $(a,b)$

(a) $n-1$ (b) $n$ (c) $n+1$ (d) One

(5) The function $\cos x$ has period.....

(a) $2\pi$ (b) $\pi$ (c) $\frac{\pi}{2}$ (d) None of these

(6) If the Fourier series correspond to an odd function $f(x)$ in $[-L,L]$, then its expansion contains only.....

(a) Constant terms (b) Cosine terms (c) Sine terms (d) All above

(7) If $L[f(t)]=\frac{3}{s^2+9}$ for $s>0$, then $f(t)=$

(a) $\sin 9t$ (b) $\sin 2t$ (c) $\sin 3t$ (d) None of these

(8) The inverse Laplace transform of $\frac{1}{s^2+a^2}$ is ....

(a) $\sin at$ (b) $\frac{1}{a}\sin at$ (c) $\frac{1}{a}\sin t$ (d) $\sin t$

(9) Shifting property of the Fourier transform is.....

(a) $F[f(x-a)]=F(\lambda)$ (b) $F[f(x-a)]=F\left(\frac{\lambda}{a}\right)$

(c) $F[f(x-a)]=e^{i\lambda a}F(a)$ (d) $F[f(x-a)]=e^{i\lambda a}F(a)$

(10) The Fourier transform of $f(x)\cdot\cos ax$ is.....



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(a) $F(\lambda+a)+F(\lambda-a)$ (b) $\frac{1}{2}[F(\lambda+a)+F(\lambda-a)]$

(c) $\frac{1}{2}[F(\lambda+a)-F(\lambda-a)]$ (d) None of these

(11) If $P_n(x)=1$, then what is the value of $n$ ?

(a) 1 (b) $-1$ (c) 0 (d) None of these

(12) The integral $\int_{-1}^{1} P_n(x)\cdot P_m(x)dx \neq 0$ if.....

(a) $m<n$ (b) $m>n$ (c) $m\neq n$ (d) $m=n$

(13) The value of $J_{\frac{1}{2}}\left(\frac{\pi}{2}\right)$ is .....

(a) 0 (b) 1 (c) $\pi$ (d) $\frac{2}{\pi}$

(14) The eigen values of Strum-Liouville problem are.....

(a) Real (b) Complex (c) Equal (d) None of these

(15) Every Fourier series is a.....

(a) Trigonometric series (b) Power series

(c) Exponential series (d) None of these

(16) The fundamental period of $\sin x$ is .....

(a) $\pi$ (b) $2\pi$ (c) $\frac{\pi}{2}$ (d) None of these

(17) If $L[f(t)]=\frac{1}{s^2}$ for $s>0$, then $f(t)=$□□

(a) $t^n$ (b) $t^2$ (c) 1 (d) $t$

(18) Every bounded function is of exponential order.....

(a) 1 (b) $-1$ (c) 0 (d) 2

(19) If $F[f(x)]=F(\lambda)$, then Fourier transform of $f(x-a)$ is .....

(a) $e^{\lambda a}\cdot F(\lambda)$ (b) $e^{i\lambda a}\cdot F(\lambda)$ (c) $e^{-i\lambda a}\cdot F(\lambda)$ (d) None of these

(20) The Fourier transform of $e^{-|x|}$ is.....

(a) $\frac{2}{1+\lambda^2}$ (b) $\frac{1}{1+\lambda^2}$ (c) $\frac{2}{1-\lambda^2}$ (d) $\frac{1}{1-\lambda^2}$

(21) If $P_n(x)=(-1)^n$, then the value of $x$ is.....

(a) 1 (b) $-1$ (c) 0 (d) None of these

(22) All roots of $P_n(x)=0$ are ....



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(a) Distinct (b) Equal (c) Complex (d) None of these

(23) The value of $J_{-\frac{1}{2}}(x)$ is .....

(a) $\sqrt{\frac{2}{\pi x}}\cdot\cos x$ (b) $\sqrt{\frac{2}{\pi x}}\cdot\sin x$ (c) $\sqrt{\frac{\pi x}{2}}\cdot\cos x$ (d) $\sqrt{\frac{\pi x}{2}}\cdot\sin x$

(24) Eigen functions corresponding to different eigen values are.....

(a) Linearly dependent (b) Linearly independent (c) Real (d) None of these

(25) The fundamental period of $\tan x$ is .....

(a) $\pi$ (b) $2\pi$ (c) $\frac{\pi}{2}$ (d) None of these

(26) Fourier series are associated with.....

(a) Algebraic function (b) Special function

(c) Periodic functions defined on some interval $I$ (d) Linear functions

(27) The inverse Laplace transform of $\frac{1}{s-a}$ is ....

(a) 1 (b) $t$ (c) $e^t$ (d) $e^{at}$

(28) The Laplace transform of $\cos t$ is.....

(a) $\frac{1}{s^2+1}$ (b) $\frac{s}{s^2+1}$ (c) $\frac{1}{s^2-1}$ (d) $\frac{s}{s^2-1}$

(29) If $F[f(x)]=F(\lambda)$, then Fourier transform of $f(ax)$ is .....

(a) $F\left(\frac{\lambda}{a}\right)$ (b) $\frac{1}{|a|}F\left(\frac{\lambda}{a}\right),\ a=0$

(c) $\frac{1}{|a|}F(\lambda),\ a\neq 0$ (d) $\frac{1}{|a|}F\left(\frac{\lambda}{a}\right),\ a\neq 0$

(30) The Fourier transform of convolution of $f(x)$ and $g(x)$ for $-\infty<x<\infty$ is.....

(a) $F[f*g]=F[f(x)]\cdot F[g(x)]$ (b) $F[f*g]=F[f(x)]+F[g(x)]$

(c) $F[f*g]=F[f(x)]-F[g(x)]$ (d) $F[f*g]=F[f(x)]/F[g(x)]$



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## Mathematics Paper- X (Mathematical Methods )

### Answer key

| Que. | Ans. | Que. | Ans. | Que. | Ans. |
|---|---|---|---|---|---|
| 1 | (d) | 11 | (c) | 21 | (b) |
| 2 | (c) | 12 | (d) | 22 | (a) |
| 3 | (a) | 13 | (b) | 23 | (a) |
| 4 | (a) | 14 | (a) | 24 | (b) |
| 5 | (a) | 15 | (a) | 25 | (a) |
| 6 | (c) | 16 | (b) | 26 | (c) |
| 7 | (c) | 17 | (d) | 27 | (d) |
| 8 | (b) | 18 | (c) | 28 | (b) |
| 9 | (d) | 19 | (c) | 29 | (d) |
| 10 | (b) | 20 | (a) | 30 | (a) |



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Sant Gadge Baba Amravati University, Amravati

Appendix - IV

**Record of Internal Assessment Test**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.** Class: **B.Sc. Part I (Semester-I)**

Subject : **Mathematics** Paper (with title): **I (Algebra and Trigonometry)**

Name of the Teacher: **Dr. Sudhir N. Bayaskar** Designation: **Associate Professor**

SESSION-2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Internal Assessment Test Date: 18/01/2022 | | | Total Marks awarded (10) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aarti Radheshyam Surjuse | 30 | 24 | Pass | 10 |
| 2 | Abhay Vilasrao Gawande | 30 | 11 | Pass | 06 |
| 3 | Abhijit Madhukarrao Manohare | 30 | 24 | Pass | 10 |
| 4 | Abhishek Jayvant Chaudhari | 30 | 24 | Pass | 10 |
| 5 | Atharva Pramod Gawande | 30 | 24 | Pass | 10 |
| 6 | Dikshant Sudhakarrao Moon | 30 | 24 | Pass | 10 |
| 7 | Gauri Pramodrao Wakode | 30 | 11 | Pass | 06 |
| 8 | Huzaif Akmal Zakir ahmad | 30 | 23 | Pass | 08 |
| 9 | Ishwar Prathamraj Bhamkar | 30 | 11 | Pass | 06 |
| 10 | Jay Pradip Hore | 30 | 11 | Pass | 06 |
| 11 | Juhi Dashrath Uike | 30 | 18 | Pass | 08 |
| 12 | Khushwant Vijay Gajbhiye | 30 | 24 | Pass | 10 |
| 13 | Komal Bharat Madavi | 30 | 24 | Pass | 10 |
| 14 | Kunal Rajesh Kelatkar | 30 | 11 | Pass | 06 |
| 15 | Maithili Rajabhau Ronghe | 30 | 24 | Pass | 10 |
| 16 | Monika Shamshersingh Nain | 30 | 25 | Pass | 10 |
| 17 | Naval Narandrarao Tondare | 30 | 24 | Pass | 08 |
| 18 | Nidhi Satishkumar Shriwas | 30 | 24 | Pass | 10 |
| 19 | Prachi Nitinrao Deshmukh | 30 | 24 | Pass | 10 |
| 20 | Pratik Diliprao Golit | 30 | 24 | Pass | 10 |
| 21 | Pratiksha Narendra Vyawahare | 30 | 24 | Pass | 10 |
| 22 | Pratiksha Sunilrao Ghavat | 30 | 24 | Pass | 10 |
| 23 | Ritesh Pramodrao Alone | 30 | 11 | Pass | 06 |
| 24 | Roshan Gulab Shah | 30 | 24 | Pass | 10 |
| 25 | Roshani Pradiprao Khandal | 30 | 26 | Pass | 10 |
| 26 | Rushikesh Narayan Rewade | 30 | 24 | Pass | 10 |

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| | | | | | |
|---|---|---|---|---|---|
| 27 | Rushikesh Shankarrao Khadse | 30 | 11 | Pass | 06 |
| 28 | Sahil Jitendra Borkar | 30 | 20 | Pass | 08 |
| 29 | Sakshi Ruprao Mete | 30 | 24 | Pass | 10 |
| 30 | Sandesh Ravindrarao Ugale | 30 | 11 | Pass | 06 |
| 31 | Saniya Kausar Riyaz Khan | 30 | 24 | Pass | 10 |
| 32 | Sayali Sanjay Kambale | 30 | 24 | Pass | 10 |
| 33 | Shaikh Soyal Shaikh Karim | 30 | 18 | Pass | 08 |
| 34 | Shatanand Amol Hiwarkar | 30 | 16 | Pass | 06 |
| 35 | Shehal Rajendra Chaudhari | 30 | 24 | Pass | 10 |
| 36 | Shravani Vithalrao Vidulkar | 30 | 24 | Pass | 10 |
| 37 | Shweta Anil Nagrale | 30 | 11 | Pass | 06 |
| 38 | Snehal Babanrao Raut | 30 | 24 | Pass | 10 |
| 39 | Swamini Sudhakar Sarave | 30 | 24 | Pass | 10 |
| 40 | Tanvi Prashant Gandole | 30 | 11 | Pass | 06 |
| 41 | Tejaswini Govind Kapile | 30 | 24 | Pass | 10 |
| 42 | Tushar Sanjay Hanwate | 30 | 23 | Pass | 08 |
| 43 | Twinkal Gautam Gajbhiye | 30 | 24 | Pass | 10 |
| 44 | Vedant Manohar Thakare | 30 | 23 | Pass | 08 |
| 45 | Vedant Prabhakarrao Dhok | 30 | 11 | Pass | 06 |
| 46 | Vikram Vilas Somkuwar | 30 | 24 | Pass | 10 |

**Date: - 20/01/2022**

**Name and Signature of Teacher:**
**(Dr. S. N. Bayaskar)**
**HOD, Department of Mathematics**

**Verified**

**Principal**
**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsh Science, Arts &
Birla Comm. Mahavidyalaya
Dharmapuri Dist

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Appendix - I

Sant Gadge Baba Amravati University, Amravati.
Record of internal Assessment Marks of Assignment/Project Assessment
(One Assignment per theory paper)

of the College: Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly. Class: B.Sc. Part I (Semester-I)
ct : Mathematics Paper (with title): I (Algebra and Trigonometry)
of the Teacher: Dr. Sudhir N. Bayaskar Designation: Associate Professor

Session 2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Assignment | | Marks Awarded Out of - 5 | Project Assignment | | Marks Awarded Out of -5 |
|---|---|---|---|---|---|---|---|
| | | Allotted on | Submitted on | 4 | Allotted on | Submitted on | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aarti Radheshyam Surjuse | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 2 | Abhay Vilasrao Gawande | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 3 | Abhijit Madhukarrao Manohare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 4 | Abhishek Jayvant Chaudhari | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 5 | Atharva Pramod Gawande | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 6 | Dikshant Sudhakarrao Moon | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 7 | Gauri Pramodrao Wakode | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 8 | Huzaif Akmal Zakir ahmad | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 9 | Ishwar Prathamraj Bhamkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 10 | Jay Pradip Hore | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 11 | Juhi Dashrath Uike | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 12 | Khushwant Vijay Gajbhiye | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 13 | Komal Bharat Madavi | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 14 | Kunal Rajesh Kelatkar | 23/12/2021 | 10/01/2022 | 5 | | | 5 |
| 15 | Maithili Rajabhau Ronghe | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 16 | Monika Shamshersingh Nain | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 17 | Naval Narandrarao Tondare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 18 | Nidhi Satishkumar Shriwas | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 19 | Prachi Nitinrao Deshmukh | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 20 | Pratik Diliprao Golit | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 21 | Pratiksha Narendra Vyawahare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 22 | Pratiksha Sunilrao Ghavat | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 23 | Ritesh Pramodrao Alone | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 24 | Roshan Gulab Shah | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 25 | Roshani Pradiprao Khandal | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | Rushikesh Narayan Rewade | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 27 | Rushikesh Shankarrao Khadse | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 28 | Sahil Jitendra Borkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 29 | Sakshi Ruprao Mete | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 30 | Sandesh Ravindrarao Ugale | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 31 | Saniya Kausar Riyaz Khan | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 32 | Sayali Sanjay Kambale | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 33 | Shaikh Soyal Shaikh Karim | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 34 | Shatanand Amol Hiwarkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 35 | Shehal Rajendra Chaudhari | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 36 | Shravani Vithalrao Vidulkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 37 | Shweta Anil Nagrale | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 38 | Snehal Babanrao Raut | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 39 | Swamini Sudhakar Sarave | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 40 | Tanvi Prashant Gandole | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 41 | Tejaswini Govind Kapile | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 42 | Tushar Sanjay Hanwate | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 43 | Twinkal Gautam Gajbhiye | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 44 | Vedant Manohar Thakare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 45 | Vedant Prabhakarrao Dhok | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 46 | Vikram Vilas Somkuwar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |

**Date: - 20/01/2022**

**Name and Signature of Teacher**
**(Dr. S. N. Bayaskar)**
**HOD, Department of Mathematics**

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**

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Appendix - V

ant Gadge Baba Amravati University, An vati
Consolidated Record of Internal Assessment Marks

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.
Subject : Mathematics
Name of the Teacher(s): Dr. Sudhir N. Bayaskar

Class: B.Sc. Part I (Sem-I)
Paper: I (Algebra and Trigonometry)
Designation: Associate Professor

SESSION 2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Mark :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 5 | Seminar / Group Discussion Max. Mark : --03 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --04 | Internal test Max.Marks :- 10 | |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| 1 | Aarti Radheshyam Surjuse | 21AB110470 | 5 | --- | --- | 10 | 15 |
| 2 | Abhay Vilasrao Gawande | 21AB110472 | 5 | --- | --- | 06 | 11 |
| 3 | Abhijit Madhukarrao Manohare | 21AB110473 | 5 | --- | --- | 10 | 15 |
| 4 | Abhishek Jayvant Chaudhari | 21AB110474 | 5 | --- | --- | 10 | 15 |
| 5 | Atharva Pramod Gawande | 21AB110484 | 5 | --- | --- | 10 | 15 |
| 6 | Dikshant Sudhakarrao Moon | 21AB110487 | 5 | --- | --- | 10 | 15 |
| 7 | Gauri Pramodrao Wakode | --- | 5 | --- | --- | 06 | 11 |
| 8 | Huzaif Akmal Zakir ahmad | 21AB110494 | 5 | --- | --- | 08 | 13 |
| 9 | Ishwar Prathamraj Bhamkar | No fill exam form | 5 | --- | --- | 06 | 11 |
| 10 | Jay Pradip Hore | 21AB110495 | 5 | --- | --- | 06 | 11 |
| 11 | Juhi Dashrath Uike | 21AB110496 | 5 | --- | --- | 08 | 13 |
| 12 | Khushwant Vijay Gajbhiye | 21AB110498 | 5 | --- | --- | 10 | 15 |
| 13 | Komal Bharat Madavi | 21AB110501 | 5 | --- | --- | 10 | 15 |
| 14 | Kunal Rajesh Kelatkar | 21AB110502 | 5 | --- | --- | 06 | 11 |
| 15 | Maithili Rajabhau Ronghe | 21AB110505 | 5 | --- | --- | 10 | 15 |
| 16 | Monika Shamshersingh Nain | 21AB110507 | 5 | --- | --- | 10 | 15 |
| 17 | Naval Narandrarao Tondare | 21AB110508 | 5 | --- | --- | 08 | 13 |
| 18 | Nidhi Satishkumar Shriwas | 21AB110510 | 5 | --- | --- | 10 | 15 |
| 19 | Prachi Nitinrao Deshmukh | 21AB110518 | 5 | --- | --- | 10 | 15 |
| 20 | Pratik Diliprao Golit | 21AB110525 | 5 | --- | --- | 10 | 15 |
| 21 | Pratiksha Narendra Vyawahare | 21AB110527 | 5 | --- | --- | 10 | 15 |
| 22 | Pratiksha Sunilrao Ghavat | 21AB110528 | 5 | --- | --- | 06 | 11 |
| 23 | Ritesh Pramodrao Alone | 21AB110533 | 5 | --- | --- | 10 | 15 |
| 24 | Roshan Gulab Shah | 21AB110534 | 5 | --- | --- | 10 | 15 |
| 25 | Roshani Pradiprao Khandal | 21AB110535 | 5 | --- | --- | | |

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|---|---|---|---|---|---|---|---|---|
| | ...shikesh Narayan Rewade | 21AB1105... | 5 | --- | --- | --- | 10 | 15 |
| | Rushikesh Shankarrao Khadse | 21AB110539 | 5 | --- | --- | --- | 06 | 11 |
| 28 | Sahil Jitendra Borkar | 21AB110542 | 5 | --- | --- | --- | 08 | 13 |
| 29 | Sakshi Ruprao Mete | 21AB110544 | 5 | --- | --- | --- | 10 | 15 |
| 30 | Sandesh Ravindrarao Ugale | 21AB110550 | 5 | --- | --- | --- | 06 | 11 |
| 31 | Saniya Kausar Riyaz Khan | 21AB110551 | 5 | --- | --- | --- | 10 | 15 |
| 32 | Sayali Sanjay Kambale | 21AB110554 | 5 | --- | --- | --- | 10 | 15 |
| 33 | Shaikh Soyal Shaikh Karim | 21AB110556 | 5 | --- | --- | --- | 08 | 13 |
| 34 | Shatanand Amol Hiwarkar | 21AB110557 | 5 | --- | --- | --- | 06 | 11 |
| 35 | Shehal Rajendra Chaudhari | 21AB110567 | 5 | --- | --- | --- | 10 | 15 |
| 36 | Shravani Vithalrao Vidulkar | 21AB110561 | 5 | --- | --- | --- | 10 | 15 |
| 37 | Shweta Anil Nagrale | 21AB110565 | 5 | --- | --- | --- | 06 | 11 |
| 38 | Snehal Babanrao Raut | 21AB110566 | 5 | --- | --- | --- | 10 | 15 |
| 39 | Swamini Sudhakar Sarave | 21AB110569 | 5 | --- | --- | --- | 10 | 15 |
| 40 | Tanvi Prashant Gandole | Not fill form | 5 | --- | --- | --- | 06 | 11 |
| 41 | Tejaswini Govind Kapile | 21AB110575 | 5 | --- | --- | --- | 10 | 15 |
| 42 | Tushar Sanjay Hanwate | 21AB110578 | 5 | --- | --- | --- | 08 | 13 |
| 43 | Twinkal Gautam Gajbhiye | 21AB110579 | 5 | --- | --- | --- | 10 | 15 |
| 44 | Vedant Manohar Thakare | 21AB110583 | 5 | --- | --- | --- | 08 | 13 |
| 45 | Vedant Prabhakarrao Dhok | 21AB110584 | 5 | --- | --- | --- | 06 | 11 |
| 46 | Vikram Vilas Somkuwar | 21AB110586 | 5 | --- | --- | --- | 10 | 15 |

**Date: - 20/01/2022**

**Name and Signature of Teacher:**
**(Dr. S. N. Bayaskar)**
**HOD, Department of Mathematics**

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**
PRINCIPAL
Adarsh Science, Lib.Arts &
Shri. Comm. Mahavidyalaya,
Dhamangaon Rly

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Appendix - IV

**Record of Internal Assessment Test**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.** Class: **B.Sc. Part I (Semester-I)**

Subject : **Mathematics** Paper (with title): **II (Differential & Integral Calculus)**

Name of the Teacher: **Dr. Ashwina N. Rangari** Designation: **Assistant Professor**

**SESSION-2021-2022 (Winter-2021)**

| Sr. No. | Name of Student | Internal Assessment Test Date: 10/01/2022 | | | Total Marks awarded (10) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aarti Radheshyam Surjuse | 30 | 24 | Pass | 10 |
| 2 | Abhay Vilasrao Gawande | 30 | 11 | Pass | 06 |
| 3 | Abhijit Madhukarrao Manohare | 30 | 24 | Pass | 10 |
| 4 | Abhishek Jayvant Chaudhari | 30 | 24 | Pass | 10 |
| 5 | Atharva Pramod Gawande | 30 | 24 | Pass | 10 |
| 6 | Dikshant Sudhakarrao Moon | 30 | 24 | Pass | 10 |
| 7 | Gauri Pramodrao Wakode | 30 | 11 | Pass | 06 |
| 8 | Huzaif Akmal Zakir ahmad | 30 | 23 | Pass | 08 |
| 9 | Ishwar Prathamraj Bhamkar | 30 | 11 | Pass | 06 |
| 10 | Jay Pradip Hore | 30 | 11 | Pass | 06 |
| 11 | Juhi Dashrath Uike | 30 | 18 | Pass | 08 |
| 12 | Khushwant Vijay Gajbhiye | 30 | 24 | Pass | 10 |
| 13 | Komal Bharat Madavi | 30 | 24 | Pass | 10 |
| 14 | Kunal Rajesh Kelatkar | 30 | 11 | Pass | 06 |
| 15 | Maithili Rajabhau Ronghe | 30 | 24 | Pass | 10 |
| 16 | Monika Shamshersingh Nain | 30 | 25 | Pass | 10 |
| 17 | Naval Narandrarao Tondare | 30 | 24 | Pass | 08 |
| 18 | Nidhi Satishkumar Shriwas | 30 | 24 | Pass | 10 |
| 19 | Prachi Nitinrao Deshmukh | 30 | 24 | Pass | 10 |
| 20 | Pratik Diliprao Golit | 30 | 24 | Pass | 10 |
| 21 | Pratiksha Narendra Vyawahare | 30 | 24 | Pass | 10 |
| 22 | Pratiksha Sunilrao Ghavat | 30 | 24 | Pass | 10 |
| 23 | Ritesh Pramodrao Alone | 30 | 11 | Pass | 06 |
| 24 | Roshan Gulab Shah | 30 | 24 | Pass | 10 |
| 25 | Roshani Pradiprao Khandal | 30 | 26 | Pass | 10 |
| 26 | Rushikesh Narayan Rewade | 30 | 24 | Pass | 10 |

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| | | | | | |
|---|---|---|---|---|---|
| 27 | Rushikesh Shankarrao Kamdse | 30 | 11 | Pass | 06 |
| 28 | Sahil Jitendra Borkar | 30 | 20 | Pass | 08 |
| 29 | Sakshi Ruprao Mete | 30 | 24 | Pass | 10 |
| 30 | Sandesh Ravindrarao Ugale | 30 | 11 | Pass | 06 |
| 31 | Saniya Kausar Riyaz Khan | 30 | 24 | Pass | 10 |
| 32 | Sayali Sanjay Kambale | 30 | 24 | Pass | 10 |
| 33 | Shaikh Soyal Shaikh Karim | 30 | 18 | Pass | 08 |
| 34 | Shatanand Amol Hiwarkar | 30 | 16 | Pass | 06 |
| 35 | Shehal Rajendra Chaudhari | 30 | 24 | Pass | 10 |
| 36 | Shravani Vithalrao Vidulkar | 30 | 24 | Pass | 10 |
| 37 | Shweta Anil Nagrale | 30 | 11 | Pass | 06 |
| 38 | Snehal Babanrao Raut | 30 | 24 | Pass | 10 |
| 39 | Swamini Sudhakar Sarave | 30 | 24 | Pass | 10 |
| 40 | Tanvi Prashant Gandole | 30 | 11 | Pass | 06 |
| 41 | Tejaswini Govind Kapile | 30 | 24 | Pass | 10 |
| 42 | Tushar Sanjay Hanwate | 30 | 23 | Pass | 08 |
| 43 | Twinkal Gautam Gajbhiye | 30 | 24 | Pass | 10 |
| 44 | Vedant Manohar Thakare | 30 | 23 | Pass | 08 |
| 45 | Vedant Prabhakarrao Dhok | 30 | 11 | Pass | 06 |
| 46 | Vikram Vilas Somkuwar | 30 | 24 | Pass | 10 |

**Date: - 11/01/2022**

Rangari

**Name and Signature of Teacher:**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly

**Verified**

**Principal**
**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsha Science J.B. Arts
Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

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Appendix - I

**Record of internal Assessment Marks of Assignment/Project Assessment**
**(One Assignment per theory paper)**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.** Class: **B.Sc. Part I (Semester-I)**
Subject : **Mathematics** Paper (with title): **II (Differential & Integral Calculus)**
Name of the Teacher: **Dr. Ashwina N. Rangari** Designation: **Assistant Professor**

**Session 2021-2022 (Winter-2021)**

| Sr. No. | Name of Student | Assignment | | Marks Awarded Out of - 5 | Project Assignment | | Marks Awarded Out of -5 |
|---|---|---|---|---|---|---|---|
| | | Allotted on | Submitted on | 4 | Allotted on | Submitted on | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aarti Radheshyam Surjuse | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 2 | Abhay Vilasrao Gawande | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 3 | Abhijit Madhukarrao Manohare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 4 | Abhishek Jayvant Chaudhari | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 5 | Atharva Pramod Gawande | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 6 | Dikshant Sudhakarrao Moon | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 7 | Gauri Pramodrao Wakode | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 8 | Huzaif Akmal Zakir ahmad | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 9 | Ishwar Prathamraj Bhamkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 10 | Jay Pradip Hore | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 11 | Juhi Dashrath Uike | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 12 | Khushwant Vijay Gajbhiye | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 13 | Komal Bharat Madavi | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 14 | Kunal Rajesh Kelatkar | 23/12/2021 | 10/01/2022 | 5 | | | 5 |
| 15 | Maithili Rajabhau Ronghe | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 16 | Monika Shamshersingh Nain | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 17 | Naval Narandrarao Tondare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 18 | Nidhi Satishkumar Shriwas | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 19 | Prachi Nitinrao Deshmukh | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 20 | Pratik Diliprao Golit | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 21 | Pratiksha Narendra Vyawahare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 22 | Pratiksha Sunilrao Ghavat | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 23 | Ritesh Pramodrao Alone | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 24 | Roshan Gulab Shah | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 25 | Roshani Pradiprao Khandal | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |

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|---|---|---|---|---|---|---|---|
| 26 | Rushikesh Narayan Rewade | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 27 | Rushikesh Shankarrao Khadse | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 28 | Sahil Jitendra Borkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 29 | Sakshi Ruprao Mete | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 30 | Sandesh Ravindrarao Ugale | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 31 | Saniya Kausar Riyaz Khan | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 32 | Sayali Sanjay Kambale | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 33 | Shaikh Soyal Shaikh Karim | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 34 | Shatanand Amol Hiwarkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 35 | Shehal Rajendra Chaudhari | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 36 | Shravani Vithalrao Vidulkar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 37 | Shweta Anil Nagrale | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 38 | Snehal Babanrao Raut | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 39 | Swamini Sudhakar Sarave | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 40 | Tanvi Prashant Gandole | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 41 | Tejaswini Govind Kapile | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 42 | Tushar Sanjay Hanwate | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 43 | Twinkal Gautam Gajbhiye | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 44 | Vedant Manohar Thakare | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 45 | Vedant Prabhakarrao Dhok | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |
| 46 | Vikram Vilas Somkuwar | 23/12/2021 | 10/01/2022 | 5 | -- | -- | 5 |

Date: - 11/01/2022

Name and Signature of Teacher
(Dr. A. N. Rangari)
Department of Mathematics

Verified

Principal
(Dr. Y.B. Gandole)

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Appendix - V

Consolidated Record of Internal Assessment Marks

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.
Subject : Mathematics
Name of the Teacher(s): Dr. Ashwina N. Rangari

Class: B.Sc. Part I (Sem-I)
Paper: II (Different &Integral Calculus)
Designation: Assistant Professor

SESSION 2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 5 | Seminar / Group Discussion Max. Mark : –03 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : –04 | Internal test Max.Marks :- 10 | |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| 1 | Aarti Radheshyam Surjuse | 21AB110470 | 5 | --- | --- | 10 | 15 |
| 2 | Abhay Vilasrao Gawande | 21AB110472 | 5 | --- | --- | 06 | 11 |
| 3 | Abhijit Madhukarrao Manohare | 21AB110473 | 5 | --- | --- | 10 | 15 |
| 4 | Abhishek Jayvant Chaudhari | 21AB110474 | 5 | --- | --- | 10 | 15 |
| 5 | Atharva Pramod Gawande | 21AB110484 | 5 | --- | --- | 10 | 15 |
| 6 | Dikshant Sudhakarrao Moon | 21AB110487 | 5 | --- | --- | 10 | 15 |
| 7 | Gauri Pramodrao Wakode | --- | 5 | --- | --- | 06 | 11 |
| 8 | Huzaif Akmal Zakir ahmad | 21AB110494 | 5 | --- | --- | 08 | 13 |
| 9 | Ishwar Prathamraj Bhamkar | No fill exam form | 5 | --- | --- | 06 | 11 |
| 10 | Jay Pradip Hore | 21AB110495 | 5 | --- | --- | 06 | 11 |
| 11 | Juhi Dashrath Uike | 21AB110496 | 5 | --- | --- | 08 | 13 |
| 12 | Khushwant Vijay Gajbhiye | 21AB110498 | 5 | --- | --- | 10 | 15 |
| 13 | Komal Bharat Madavi | 21AB110501 | 5 | --- | --- | 10 | 15 |
| 14 | Kunal Rajesh Kelatkar | 21AB110502 | 5 | --- | --- | 06 | 11 |
| 15 | Maithili Rajabhau Ronghe | 21AB110505 | 5 | --- | --- | 10 | 15 |
| 16 | Monika Shamshersingh Nain | 21AB110507 | 5 | --- | --- | 10 | 15 |
| 17 | Naval Narandrarao Tondare | 21AB110508 | 5 | --- | --- | 08 | 13 |
| 18 | Nidhi Satishkumar Shriwas | 21AB110510 | 5 | --- | --- | 10 | 15 |
| 19 | Prachi Nitinrao Deshmukh | 21AB110518 | 5 | --- | --- | 10 | 15 |
| 20 | Pratik Diliprao Golit | 21AB110525 | 5 | --- | --- | 10 | 15 |
| 21 | Pratiksha Narendra Vyawahare | 21AB110527 | 5 | --- | --- | 10 | 15 |
| 22 | Pratiksha Sunilrao Ghavat | 21AB110528 | 5 | --- | --- | 10 | 15 |
| 23 | Ritesh Pramodrao Alone | 21AB110533 | 5 | --- | --- | 06 | 11 |
| 24 | Roshan Gulab Shah | 21AB110534 | 5 | --- | --- | 10 | 15 |
| 25 | Roshani Pradiprao Khandal | 21AB110535 | 5 | --- | --- | 10 | 15 |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | Rushikesh Narayan Rewade | 21AB11053 | 5 | --- | --- | --- | 10 | 15 |
| 27 | Rushikesh Shankarrao Khadse | 21AB110539 | 5 | --- | --- | --- | 06 | 11 |
| 28 | Sahil Jitendra Borkar | 21AB110542 | 5 | --- | --- | --- | 08 | 13 |
| 29 | Sakshi Ruprao Mete | 21AB110544 | 5 | --- | --- | --- | 10 | 15 |
| 30 | Sandesh Ravindrarao Ugale | 21AB110550 | 5 | --- | --- | --- | 06 | 11 |
| 31 | Saniya Kausar Riyaz Khan | 21AB110551 | 5 | --- | --- | --- | 10 | 15 |
| 32 | Sayali Sanjay Kambale | 21AB110554 | 5 | --- | --- | --- | 10 | 15 |
| 33 | Shaikh Soyal Shaikh Karim | 21AB110556 | 5 | --- | --- | --- | 08 | 13 |
| 34 | Shatanand Amol Hiwarkar | 21AB110557 | 5 | --- | --- | --- | 06 | 11 |
| 35 | Shehal Rajendra Chaudhari | 21AB110567 | 5 | --- | --- | --- | 10 | 15 |
| 36 | Shravani Vithalrao Vidulkar | 21AB110561 | 5 | --- | --- | --- | 10 | 15 |
| 37 | Shweta Anil Nagrale | 21AB110565 | 5 | --- | --- | --- | 06 | 11 |
| 38 | Snehal Babanrao Raut | 21AB110566 | 5 | --- | --- | --- | 10 | 15 |
| 39 | Swamini Sudhakar Sarave | 21AB110569 | 5 | --- | --- | --- | 10 | 15 |
| 40 | Tanvi Prashant Gandole | Not fill form | 5 | --- | --- | --- | 06 | 11 |
| 41 | Tejaswini Govind Kapile | 21AB110575 | 5 | --- | --- | --- | 10 | 15 |
| 42 | Tushar Sanjay Hanwate | 21AB110578 | 5 | --- | --- | --- | 10 | 15 |
| 43 | Twinkal Gautam Gajbhiye | 21AB110579 | 5 | --- | --- | --- | 06 | 11 |
| 44 | Vedant Manohar Thakare | 21AB110583 | 5 | --- | --- | --- | 10 | 15 |
| 45 | Vedant Prabhakarrao Dhok | 21AB110584 | 5 | --- | --- | --- | 08 | 13 |
| 46 | Vikram Vilas Somkuwar | 21AB110586 | 5 | --- | --- | --- | 08 | 13 |
| | | | | | | --- | 06 | 11 |
| | | | | | | --- | 10 | 15 |
| | | | | | | --- | 06 | 11 |
| | | | | | | Pass | 06 | |

Verified

Date: - 11/01/2022

Name and Signature of Teacher:
(Dr. A. N. Rangari)
Department of Mathematics

LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya
Dharmasavangi Dist

Principal
(Dr. Y.B. Gandole)
PRINCIPAL
Adarsha Science J.B. Arts
Birla Comm. Mahavidyalaya
Dharmasavangi (Dist)

Note: This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati

Appendix - IV

**Record of Internal Assessment Marks**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.**

Class: **B.Sc. Part II (Semester- III)**

Subject : **Mathematics**

Paper (with title): **I (Advanced Calculus)**

Name of the Teacher: **Dr. Ashwina N. Rangari**

Designation: **Assistant Professor**

**SESSION-2021-2022 (Winter-2021)**

| Sr. No. | Name of Student | Internal Assessment Test Date: 07/01/2022 | | | Total Marks awarded (Out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aachal Raju Dafe | 30 | 28 | Pass | 08 |
| 2 | Abhishek Arvind Manke | 30 | 24 | Pass | 08 |
| 3 | Achal Dnyaneshwar Pinjari | 30 | 24 | Pass | 08 |
| 4 | Aditya Duryodhan Nare | 30 | 24 | Pass | 08 |
| 5 | Akanksha Gajanan Guladhe | 30 | 25 | Pass | 08 |
| 6 | Amit Narendrarao Hande | 30 | 24 | Pass | 08 |
| 7 | Ankita Narpatsing Rajpurohit | 30 | 11 | Pass | 04 |
| 8 | Ashutosh Sunil Garode | 30 | 24 | Pass | 08 |
| 9 | Atish Vijayrao Sute | 30 | 24 | Pass | 08 |
| 10 | Bhavesh Chandrashekhar Tapare | 30 | 21 | Pass | 06 |
| 11 | Bhushan Arunrao Amale | 30 | 11 | Pass | 04 |
| 12 | Chaitanya Pradiprao Bhende | 30 | 24 | Pass | 08 |
| 13 | Chanchal Rajendra Jadhao | 30 | 24 | Pass | 08 |
| 14 | Devesh Sureshrao Chaware | 30 | 24 | Pass | 08 |
| 15 | Harshada Ravindra Pakhale | 30 | 24 | Pass | 08 |
| 16 | Jash Vijay Kambale | 30 | 24 | Pass | 08 |
| 17 | Jay Prakash Shende | 30 | 21 | Pass | 06 |
| 18 | Mayuri Prakashrao Raut | 30 | 24 | Pass | 08 |
| 19 | Meghana Chandrakant Khope | 30 | 24 | Pass | 08 |
| 20 | Metali Rajusing Chavhan | 30 | 24 | Pass | 08 |
| 21 | Namdeo Gajanan Madavi | 30 | 21 | Pass | 06 |
| 22 | Pranali Sunil Walke | 30 | 24 | Pass | 08 |
| 23 | Prapti Gajanan Panchbuddhe | 30 | 24 | Pass | 08 |
| 24 | Prashik Rajiv Chatur | 30 | 23 | Pass | 06 |
| 25 | Pratik Rameshrao Sarode | 30 | 20 | Pass | 06 |

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|---|---|---|---|---|---|
| 26 | Pravina Gajanan Pawar | 30 | 24 | Pass | 08 |
| 27 | Rashmi Nandkishorrao Raut | 30 | 24 | Pass | 08 |
| 28 | Renuka Mohan Khope | 30 | 24 | Pass | 08 |
| 29 | Rushali Sureshrao Nandane | 30 | 25 | Pass | 08 |
| 30 | Rutik Sudhakar Manohare | 30 | 24 | Pass | 08 |
| 31 | Rutik Nandkishor Shende | 30 | 24 | Pass | 08 |
| 32 | Rutuja Rajendra Dakhore | 30 | 24 | Pass | 08 |
| 33 | Sampada Virendra Wankhade | 30 | 24 | Pass | 08 |
| 34 | Shreya Vinod Raut | 30 | 24 | Pass | 08 |
| 35 | Shruti Narendrarao Sangode | 30 | 24 | Pass | 08 |
| 36 | Shruti Ranjeetsingh Thakur | 30 | 24 | Pass | 08 |
| 37 | Snehal Arunrao Nandane | 30 | 11 | Pass | 04 |
| 38 | Sumit Gajananrao Gotefode | 30 | 24 | Pass | 08 |
| 39 | Tejas Arvind Tale | 30 | 24 | Pass | 08 |
| 40 | Tejas Sanjay Sawant | 30 | 19 | Pass | 06 |
| 41 | Tejaswini Vijay Zade | 30 | 26 | Pass | 08 |
| 42 | Unnati Pundalikrao Pande | 30 | 23 | Pass | 06 |
| 43 | Vaishnavi Kundanrao Jawanjal | 30 | 24 | Pass | 08 |
| 44 | Vipin Pramod Dhepe | 30 | 24 | Pass | 08 |
| 45 | Yash Jagadish Katgale | 30 | 24 | Pass | 08 |
| 46 | Yogita Bramhanand Kale | 30 | 24 | Pass | 08 |

**Verified**

**Date:- 08/01/2022**

Rangari

**Name and Signature of Teacher:**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya,
Dhamangaon Rly

**Principal**
**(Dr. Y.B. Gandole)**

PRINCIPAL
Adarsha Science J.B. Arts
Birla Comm. Mahavidyalay
Dhamangaon (Rly.)

| | | |
|---|---|---|
| | 06 | 13 |

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Sant Gadge Baba Amravati University, Amravati

Consolidated Record of Internal Assessment Marks

Appendix - V

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.

Subject : Mathematics

Class: B.Sc. Part II (Sem- III)

Name of the Teacher(s): Dr. Ashwina N. Rangari

Paper: I (Advanced Calculus)

Designation: Assistant Professor

SESSION 2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max. Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : --04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --03 | Internal test Max.Marks :- 08 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aachal Raju Dafe | 21AB310671 | --- | 4 | 3 | 08 | 15 |
| 2 | Abhishek Arvind Manke | 21AB310669 | --- | 4 | 3 | 08 | 15 |
| 3 | Achal Dnyaneshwar Pinjari | 21AB310670 | --- | 4 | 3 | 08 | 15 |
| 4 | Aditya Duryodhan Nare | 21AB310673 | --- | 4 | 3 | 08 | 15 |
| 5 | Akanksha Gajanan Guladhe | 21AB310676 | --- | 4 | 3 | 08 | 15 |
| 6 | Amit Narendrarao Hande | 21AB310680 | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Narpatsing Rajpurohit | 21AB310682 | --- | 4 | 3 | 08 | 15 |
| 8 | Ashutosh Sunil Garode | 21AB310688 | --- | 4 | 3 | 04 | 11 |
| 9 | Atish Vijayrao Sute | 21AB310690 | --- | 4 | 3 | 08 | 15 |
| 10 | Bhavesh Chandrashekhar Tapare | 21AB310691 | --- | 4 | 3 | 08 | 15 |
| 11 | Bhushan Arunrao Amale | 21AB310692 | --- | 4 | 3 | 06 | 13 |
| 12 | Chaitanya Pradiprao Bhende | 21AB310693 | --- | 4 | 3 | 04 | 11 |
| 13 | Chanchal Rajendra Jadhao | 21AB310694 | --- | 4 | 3 | 08 | 15 |
| 14 | Devesh Sureshrao Chaware | 21AB310696 | --- | 4 | 3 | 08 | 15 |
| 15 | Harshada Ravindra Pakhale | 21AB310704 | --- | 4 | 3 | 08 | 15 |
| 16 | Jash Vijay Kambale | 21AB310706 | --- | 4 | 3 | 08 | 15 |
| 17 | Jay Prakash Shende | 21AB310707 | --- | 4 | 3 | 08 | 15 |
| 18 | Mayuri Prakashrao Raut | 21AB310714 | --- | 4 | 3 | 06 | 13 |
| 19 | Meghana Chandrakant Khope | 21AB310715 | --- | 4 | 3 | 08 | 15 |
| 20 | Metali Rajusing Chavhan | 21AB310716 | --- | 4 | 3 | 08 | 15 |
| 21 | Namdeo Gajanan Madavi | 21AB310718 | --- | 4 | 3 | 08 | 15 |
| 22 | Pranali Sunil Walke | 21AB310722 | --- | 4 | 3 | 06 | 13 |
| 23 | Prapti Gajanan Panchbuddhe | 21AB310723 | --- | 4 | 3 | 08 | 15 |
| 24 | Prashik Rajiv Chatur | 21AB310724 | --- | 4 | 3 | 08 | 15 |
| 25 | Pratik Rameshrao Sarode | 21AB310725 | --- | 4 | 3 | 06 | 13 |

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|---|---|---|---|---|---|---|---|
| 26 | Pravina Gajanan Pawar | 21AB310727 | --- | 4 | 3 | 08 | 15 |
| 27 | Rashmi Nandkishorrao Raut | 21AB310731 | --- | 4 | 3 | 08 | 15 |
| 28 | Renuka Mohan Khope | 21AB310732 | --- | 4 | 3 | 08 | 15 |
| 29 | Rushali Sureshrao Nandane | 21AB310733 | --- | 4 | 3 | 08 | 15 |
| 30 | Rutik Sudhakar Manohare | 21AB310734 | --- | 4 | 3 | 08 | 15 |
| 31 | Rutik Nandkishor Shende | 21AB310735 | --- | 4 | 3 | 08 | 15 |
| 32 | Rutuja Rajendra Dakhore | 21AB310736 | --- | 4 | 3 | 08 | 15 |
| 33 | Sampada Virendra Wankhade | 21AB310743 | --- | 4 | 3 | 08 | 15 |
| 34 | Shreya Vinod Raut | 21AB310755 | --- | 4 | 3 | 08 | 15 |
| 35 | Shruti Narendrarao Sangode | 21AB310756 | --- | 4 | 3 | 08 | 15 |
| 36 | Shruti Ranjeetsingh Thakur | 21AB310758 | --- | 4 | 3 | 08 | 15 |
| 37 | Snehal Arunrao Nandane | 21AB310759 | --- | 4 | 3 | 04 | 11 |
| 38 | Sumit Gajananrao Gotefode | 21AB310764 | --- | 4 | 3 | 08 | 15 |
| 39 | Tejas Arvind Tale | 21AB310766 | --- | 4 | 3 | 08 | 15 |
| 40 | Tejas Sanjay Sawant | 21AB310767 | --- | 4 | 3 | 06 | 13 |
| 41 | Tejaswini Vijay Zade | 21AB310769 | --- | 4 | 3 | 08 | 15 |
| 42 | Unnati Pundalikrao Pande | 21AB310770 | --- | 4 | 3 | 06 | 13 |
| 43 | Vaishnavi Kundanrao Jawanjal | 21AB310772 | --- | 4 | 3 | 08 | 15 |
| 44 | Vipin Pramod Dhepe | 21AB310778 | --- | 4 | 3 | 08 | 15 |
| 45 | Yash Jagadish Katgale | 21AB310781 | --- | 3 | 2 | 08 | 13 |
| 46 | Yogita Bramhanand Kale | 21AB310782 | --- | 4 | 3 | 08 | 15 |

Verified

Date:- 08/01/2022

Name and Signature of Teacher
(Dr. A. N. Rangari)
Department of Mathematics

LECTURER
Adarsha Science J.B.Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly

Principal
(Dr. V.B. Gandole)

PRINCIPAL
Adarsha Science J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly

Note: This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati

Appendix - IV

Record of Internal Assessment Marks

Name of the College: Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.

Class: B.Sc. Part II (Semester- III)

Subject : Mathematics

Paper (with title): II (Elementary Number Theory)

Name of the Teacher: Dr. Sudhir N. Bayaskar

Designation: Associate Professor

SESSION-2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Internal Assessment Test Date: 18/01/2022 | | | Total Marks awarded (Out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aachal Raju Date | 30 | 28 | Pass | 08 |
| 2 | Abhishek Arvind Manke | 30 | 24 | Pass | 08 |
| 3 | Achal Dnyaneshwar Pinjari | 30 | 24 | Pass | 08 |
| 4 | Aditya Duryodhan Nare | 30 | 24 | Pass | 08 |
| 5 | Akanksha Gajanan Guladhe | 30 | 25 | Pass | 08 |
| 6 | Amit Narendrarao Hande | 30 | 24 | Pass | 08 |
| 7 | Ankita Narpatsing Rajpurohit | 30 | 11 | Pass | 04 |
| 8 | Ashutosh Sunil Garode | 30 | 24 | Pass | 08 |
| 9 | Atish Vijayrao Sute | 30 | 24 | Pass | 08 |
| 10 | Bhavesh Chandrashekhar Tapare | 30 | 21 | Pass | 06 |
| 11 | Bhushan Arunrao Amale | 30 | 11 | Pass | 04 |
| 12 | Chaitanya Pradiprao Bhende | 30 | 24 | Pass | 08 |
| 13 | Chanchal Rajendra Jadhao | 30 | 24 | Pass | 08 |
| 14 | Devesh Sureshrao Chaware | 30 | 24 | Pass | 08 |
| 15 | Harshada Ravindra Pakhale | 30 | 24 | Pass | 08 |
| 16 | Jash Vijay Kambale | 30 | 24 | Pass | 08 |
| 17 | Jay Prakash Shende | 30 | 21 | Pass | 06 |
| 18 | Mayuri Prakashrao Raut | 30 | 24 | Pass | 08 |
| 19 | Meghana Chandrakant Khope | 30 | 24 | Pass | 08 |
| 20 | Metali Rajusing Chavhan | 30 | 24 | Pass | 08 |
| 21 | Namdeo Gajanan Madavi | 30 | 21 | Pass | 06 |
| 22 | Pranali Sunil Walke | 30 | 24 | Pass | 08 |
| 23 | Prapti Gajanan Panchbuddhe | 30 | 24 | Pass | 08 |
| 24 | Prashik Rajiv Chatur | 30 | 23 | Pass | 06 |
| 25 | Pratik Rameshrao Sarode | 30 | 20 | Pass | 06 |

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| | | | | | |
|---|---|---|---|---|---|
| 26 | Pravina Gajanan Pawar | 30 | 24 | Pass | 08 |
| 27 | Rashmi Nandkishorrao Raut | 30 | 24 | Pass | 08 |
| 28 | Renuka Mohan Khope | 30 | 24 | Pass | 08 |
| 29 | Rushali Sureshrao Nandane | 30 | 25 | Pass | 08 |
| 30 | Rutik Sudhakar Manohare | 30 | 24 | Pass | 08 |
| 31 | Rutik Nandkishor Shende | 30 | 24 | Pass | 08 |
| 32 | Rutuja Rajendra Dakhore | 30 | 24 | Pass | 08 |
| 33 | Sampada Virendra Wankhade | 30 | 24 | Pass | 08 |
| 34 | Shreya Vinod Raut | 30 | 24 | Pass | 08 |
| 35 | Shruti Narendrarao Sangode | 30 | 24 | Pass | 08 |
| 36 | Shruti Ranjeetsingh Thakur | 30 | 24 | Pass | 08 |
| 37 | Snehal Arunrao Nandane | 30 | 11 | Pass | 04 |
| 38 | Sumit Gajananrao Gotefode | 30 | 24 | Pass | 08 |
| 39 | Tejas Arvind Tale | 30 | 24 | Pass | 08 |
| 40 | Tejas Sanjay Sawant | 30 | 19 | Pass | 06 |
| 41 | Tejaswini Vijay Zade | 30 | 26 | Pass | 08 |
| 42 | Unnati Pundalikrao Pande | 30 | 23 | Pass | 06 |
| 43 | Vaishnavi Kundanrao Jawanjal | 30 | 24 | Pass | 08 |
| 44 | Vipin Pramod Dhepe | 30 | 24 | Pass | 08 |
| 45 | Yash Jagadish Katgale | 30 | 24 | Pass | 08 |
| 46 | Yogita Bramhanand Kale | 30 | 24 | Pass | 08 |

**Date:- 20/01/2022**

**Verified**

**Name and Signature of Teacher:**
**(Dr. S. N. Bayaskar)**
**HOD, Department of Mathematics**

**Principal**
**(Dr. Y.B. Gandole)**
PRINCIPAL
Adarsh Science, J.B.Arts &
Birla Comm. Mahavidyalaya
Dharmapuri Dist

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Sa... Gadge Baba Amravati University, Amrav...i

Consolidated Record of Internal Assessment Marks

Appendix - V

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.

Subject : Mathematics

Class: B.Sc. Part II (Sem- III)

Paper: II (Elementary Number Theory)

Name of the Teacher(s): Dr. Sudhir N. Bayaskar

Designation: Associate Professor

SESSION 2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max. Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : –04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : –03 | Internal test Max.Marks :- 08 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aachal Raju Dafe | 21AB310671 | --- | 4 | 3 | 08 | 15 |
| 2 | Abhishek Arvind Manke | 21AB310669 | --- | 4 | 3 | 08 | 15 |
| 3 | Achal Dnyaneshwar Pinjari | 21AB310670 | --- | 4 | 3 | 08 | 15 |
| 4 | Aditya Duryodhan Nare | 21AB310673 | --- | 4 | 3 | 08 | 15 |
| 5 | Akanksha Gajanan Guladhe | 21AB310676 | --- | 4 | 3 | 08 | 15 |
| 6 | Amit Narendrarao Hande | 21AB310680 | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Narpatsing Rajpurohit | 21AB310682 | --- | 4 | 3 | 08 | 15 |
| 8 | Ashutosh Sunil Garode | 21AB310688 | --- | 4 | 3 | 04 | 11 |
| 9 | Atish Vijayrao Sute | 21AB310690 | --- | 4 | 3 | 08 | 15 |
| 10 | Bhavesh Chandrashekhar Tapare | 21AB310691 | --- | 4 | 3 | 08 | 15 |
| 11 | Bhushan Arunrao Amale | 21AB310692 | --- | 4 | 3 | 06 | 13 |
| 12 | Chaitanya Pradiprao Bhende | 21AB310693 | --- | 4 | 3 | 04 | 11 |
| 13 | Chanchal Rajendra Jadhao | 21AB310694 | --- | 4 | 3 | 08 | 15 |
| 14 | Devesh Sureshrao Chaware | 21AB310696 | --- | 4 | 3 | 08 | 15 |
| 15 | Harshada Ravindra Pakhale | 21AB310704 | --- | 4 | 3 | 08 | 15 |
| 16 | Jash Vijay Kambale | 21AB310706 | --- | 4 | 3 | 08 | 15 |
| 17 | Jay Prakash Shende | 21AB310707 | --- | 4 | 3 | 08 | 15 |
| 18 | Mayuri Prakashrao Raut | 21AB310714 | --- | 4 | 3 | 06 | 13 |
| 19 | Meghana Chandrakant Khope | 21AB310715 | --- | 4 | 3 | 08 | 15 |
| 20 | Metali Rajusing Chavhan | 21AB310716 | --- | 4 | 3 | 08 | 15 |
| 21 | Namdeo Gajanan Madavi | 21AB310718 | --- | 4 | 3 | 08 | 15 |
| 22 | Pranali Sunil Walke | 21AB310722 | --- | 4 | 3 | 06 | 13 |
| 23 | Prapti Gajanan Panchbuddhe | 21AB310723 | --- | 4 | 3 | 08 | 15 |
| 24 | Prashik Rajiv Chatur | 21AB310724 | --- | 4 | 3 | 06 | 13 |
| 25 | Pratik Rameshrao Sarode | 21AB310725 | --- | 4 | 3 | 06 | 13 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Pravina Gajanan Pawar | 21AB310727 | --- | 4 | 3 | 08 | 15 |
| 27 | Rashmi Nandkishorrao Raut | 21AB310731 | --- | 4 | 3 | 08 | 15 |
| 28 | Renuka Mohan Khope | 21AB310732 | --- | 4 | 3 | 08 | 15 |
| 29 | Rushali Sureshrao Nandane | 21AB310733 | --- | 4 | 3 | 08 | 15 |
| 30 | Rutik Sudhakar Manohare | 21AB310734 | --- | 4 | 3 | 08 | 15 |
| 31 | Rutik Nandkishor Shende | 21AB310735 | --- | 4 | 3 | 08 | 15 |
| 32 | Rutuja Rajendra Dakhore | 21AB310736 | --- | 4 | 3 | 08 | 15 |
| 33 | Sampada Virendra Wankhade | 21AB310743 | --- | 4 | 3 | 08 | 15 |
| 34 | Shreya Vinod Raut | 21AB310755 | --- | 4 | 3 | 08 | 15 |
| 35 | Shruti Narendrarao Sangode | 21AB310756 | --- | 4 | 3 | 08 | 15 |
| 36 | Shruti Ranjeetsingh Thakur | 21AB310758 | --- | 4 | 3 | 08 | 15 |
| 37 | Snehal Arunrao Nandane | 21AB310759 | --- | 4 | 3 | 04 | 11 |
| 38 | Sumit Gajananrao Gotefode | 21AB310764 | --- | 4 | 3 | 08 | 15 |
| 39 | Tejas Arvind Tale | 21AB310766 | --- | 4 | 3 | 08 | 15 |
| 40 | Tejas Sanjay Sawant | 21AB310767 | --- | 4 | 3 | 06 | 13 |
| 41 | Tejaswini Vijay Zade | 21AB310769 | --- | 4 | 3 | 08 | 15 |
| 42 | Unnati Pundalikrao Pande | 21AB310770 | --- | 4 | 3 | 06 | 13 |
| 43 | Vaishnavi Kundanrao Jawanjal | 21AB310772 | --- | 4 | 3 | 08 | 15 |
| 44 | Vipin Pramod Dhepe | 21AB310778 | --- | 4 | 3 | 08 | 15 |
| 45 | Yash Jagadish Katgale | 21AB310781 | --- | 3 | 2 | 08 | 13 |
| 46 | Yogita Bramhanand Kale | 21AB310782 | --- | 4 | 3 | 08 | 15 |

**Date:- 20/01/2022**

**Verified**

**Name and Signature of Teacher**
**(Dr. S. N. Bayaskar)**
**HOD, Department of Mathematics**

**Principal**
**(Dr. Y.B. Gandole)**
PRINCIPAL

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati

Appendix - IV

Record of Internal Assessment Marks

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.

Class : B.Sc. Part III (Semester- V)

Subject : Mathematics

Paper (with title): I (Mathematical Analysis)

Name of the Teacher: Dr. Ashwina N. Rangari

Designation: Assistant Professor

SESSION-2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Internal Assessment Test Date: 08/01/2022 | | | Total Marks awarded (out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Achal Sharadrao Jagtap | 30 | 29 | Pass | 08 |
| 2 | Akansha Dineshrao Gawande | 30 | 30 | Pass | 08 |
| 3 | Akanksha Gajanan Gulhane | 30 | 28 | Pass | 08 |
| 4 | Akshay Bandu Lawankar | 30 | 29 | Pass | 08 |
| 5 | Alisha Jayprakash Bhagat | 30 | 27 | Pass | 08 |
| 6 | Aniket Anil Gajbhiye | 30 | 27 | Pass | 08 |
| 7 | Ankita Diliprao Hiwarkar | 30 | 30 | Pass | 08 |
| 8 | Anushri Hiramanji Bhagat | 30 | 28 | Pass | 08 |
| 9 | Arpita Sunil Kadu | 30 | 30 | Pass | 08 |
| 10 | Ashlesha Ramdas Walke | 30 | 28 | Pass | 08 |
| 11 | Bhagyashree Ashokrao Waghade | 30 | 28 | Pass | 08 |
| 12 | Bhairavi Pradip Gandole | 30 | 30 | Pass | 08 |
| 13 | Chanchal Bhojraj Nikhar | 30 | 28 | Pass | 08 |
| 14 | Chhaya Ramdasji Dandare | 30 | 30 | Pass | 08 |
| 15 | Disha Ashok Kachave | 30 | 30 | Pass | 08 |
| 16 | Indrayani Yogirajji Thakare | 30 | 29 | Pass | 08 |
| 17 | Khushi Prasanna Bhandari | 30 | 24 | Pass | 08 |
| 18 | Labhanshu Mohanrao Jadhav | 30 | 27 | Pass | 08 |
| 19 | Madhuri Prathamraj Bhamkar | 30 | 29 | Pass | 08 |
| 20 | Minakshi Gopal Agrawal | 30 | 29 | Pass | 08 |
| 21 | Monali Rajendra Thakare | 30 | 30 | Pass | 08 |
| 22 | Mrunal Gajananrao Punwatkar | 30 | 29 | Pass | 08 |
| 23 | Nishigandha Subhashrao Kannake | 30 | 24 | Pass | 08 |

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| | | | | | |
|---|---|---|---|---|---|
| 24 | Omprakash Gajanan Tayade | 30 | 28 | Pass | 08 |
| 25 | Pallavi Vijayrao Badhiye | 30 | 28 | Pass | 08 |
| 26 | Pooja Diliprao Chakole | 30 | 29 | Pass | 08 |
| 27 | Prajwala Manoj Tirmare | 30 | 29 | Pass | 08 |
| 28 | Prajakta Gajanan Kadu | 30 | 29 | Pass | 08 |
| 29 | Pritam Prakash Ingole | 30 | 28 | Pass | 08 |
| 30 | Punam Rameshrao Kale | 30 | 29 | Pass | 08 |
| 31 | Rajashri Rajesh Lad | 30 | 30 | Pass | 08 |
| 32 | Sakshi Banduji Malode | 30 | 30 | Pass | 08 |
| 33 | Sakshi Haridas Dhole | 30 | 29 | Pass | 08 |
| 34 | Sakshi Nilesh Mankar | 30 | 29 | Pass | 08 |
| 35 | Sakshi Ravindra Thakare | 30 | 30 | Pass | 08 |
| 36 | Sakshi Subhashrao Rajgure | 30 | 29 | Pass | 08 |
| 37 | Saurabh Rangrao Thombare | 30 | 28 | Pass | 08 |
| 38 | Shreya Rajkumar Tale | 30 | 30 | Pass | 08 |
| 39 | Shruti Shankarrao Sultane | 30 | 30 | Pass | 08 |
| 40 | Shweta Hiralal Bawangade | 30 | 28 | Pass | 08 |
| 41 | Shweta Sanjay Ingale | 30 | 28 | Pass | 08 |
| 42 | Sonal Sudhir Taksande | 30 | 29 | Pass | 08 |
| 43 | Swapnil Shridhar Pataliya | 30 | 29 | Pass | 08 |
| 44 | Tanvi Chandrashekhar Mete | 30 | 29 | Pass | 08 |
| 45 | Tejal Narendra Hande | 30 | 27 | Pass | 08 |
| 46 | Trupti Shuddhodhanrao Meshram | 30 | 30 | Pass | 08 |
| 47 | Vaishnavi Dnyaneshwar Waghade | 30 | 28 | Pass | 08 |
| 48 | Vaishnavi Khushalrao Ronghe | 30 | 29 | Pass | 08 |
| 49 | Vaishnavi Raju Kalsarpe | 30 | 30 | Pass | 08 |
| 50 | Yogita Ishwar Jambhulkar | 30 | 24 | Pass | 08 |

**Date:- 10/01/2022**

Rangari

**Name and Signature of Teacher**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya,
Dhamangaon Rly

**Verified**

**Principal**
**(Dr. V.B. Gandole)**

Adarsha Science, J.B. Arts
Birla Comm. Mahavidyalay
Dhamangaon (Rly.)

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks

Appendix - V

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.
Subject : Mathematics
Name of the Teache : Dr. Ashwina N. Rangari

Class: B.Sc. Part III (Sem-V)
Paper: I (Mathematical Analysis)
Designation: Assistant Professor

SESSION 2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : --04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --03 | Internal test Max.Marks :-08 | |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| 1 | Achal Sharadrao Jagtap | 21AB510543 | --- | 4 | 3 | 08 | 15 |
| 2 | Akansha Dineshrao Gawande | 21AB510547 | --- | 4 | 3 | 08 | 15 |
| 3 | Akanksha Gajanan Gulhane | 21AB510545 | --- | 4 | 3 | 08 | 15 |
| 4 | Akshay Bandu Lawankar | 21AB510549 | --- | 4 | 3 | 08 | 15 |
| 5 | Alisha Jayprakash Bhagat | 21AB510551 | --- | 4 | 3 | 08 | 15 |
| 6 | Aniket Anil Gajbhiye | 21AB510553 | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Diliprao Hiwarkar | 21AB510554 | --- | 4 | 3 | 08 | 15 |
| 8 | Anushri Hiramanji Bhagat | 21AB510555 | --- | 4 | 3 | 08 | 15 |
| 9 | Arpita Sunil Kadu | 21AB510557 | --- | 4 | 3 | 08 | 15 |
| 10 | Ashlesha Ramdas Walke | 21AB510558 | --- | 4 | 3 | 08 | 15 |
| 11 | Bhagyashree Ashokrao Waghade | 21AB510562 | --- | 4 | 3 | 08 | 15 |
| 12 | Bhairavi Pradip Gandole | 21AB510563 | --- | 4 | 3 | 08 | 15 |
| 13 | Chanchal Bhojraj Nikhar | 21AB510564 | --- | 4 | 3 | 08 | 15 |
| 14 | Chhaya Ramdasji Dandare | 21AB510566 | --- | 4 | 3 | 08 | 15 |
| 15 | Disha Ashok Kachave | 21AB510570 | --- | 4 | 3 | 08 | 15 |
| 16 | Indrayani Yogirajji Thakare | 21AB510576 | --- | 4 | 3 | 08 | 15 |
| 17 | Khushi Prasanna Bhandari | 21AB510581 | --- | 4 | 3 | 08 | 15 |
| 18 | Labhanshu Mohanrao Jadhav | 21AB510583 | --- | 4 | 3 | 08 | 15 |
| 19 | Madhuri Prathamraj Bhamkar | 21AB510585 | --- | 4 | 3 | 08 | 15 |
| 20 | Minakshi Gopal Agrawal | 21AB510586 | --- | 4 | 3 | 08 | 15 |
| 21 | Monali Rajendra Thakare | 21AB510588 | --- | 4 | 3 | 08 | 15 |
| 22 | Mrunal Gajananrao Punwatkar | 21AB510589 | --- | 4 | 3 | 08 | 15 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23 | Nishigandha Subhashrao Kannake | 21AB510592 | --- | 4 | 3 | 08 | 15 |
| 24 | Omprakash Gajanan Tayade | 21AB510594 | --- | 3 | 2 | 08 | 13 |
| 25 | Pallavi Vijayrao Badhiye | 21AB510598 | --- | 4 | 3 | 08 | 15 |
| 26 | Pooja Diliprao Chakole | 21AB510600 | --- | 3 | 2 | 08 | 13 |
| 27 | Prajwala Manoj Tirmare | 21AB510605 | --- | 4 | 3 | 08 | 15 |
| 28 | Prajakta Gajanan Kadu | 21AB510602 | --- | 4 | 3 | 08 | 15 |
| 29 | Pritam Prakash Ingole | 21AB510610 | --- | 4 | 3 | 08 | 15 |
| 30 | Punam Rameshrao Kale | 21AB510612 | --- | 4 | 3 | 08 | 15 |
| 31 | Rajashri Rajesh Lad | 21AB510613 | --- | 4 | 3 | 08 | 15 |
| 32 | Sakshi Banduji Malode | 21AB510617 | --- | 4 | 3 | 08 | 15 |
| 33 | Sakshi Haridas Dhole | 21AB510618 | --- | 4 | 3 | 08 | 15 |
| 34 | Sakshi Nilesh Mankar | 21AB510620 | --- | 4 | 3 | 08 | 15 |
| 35 | Sakshi Ravindra Thakare | 21AB510622 | --- | 4 | 3 | 08 | 15 |
| 36 | Sakshi Subhashrao Rajgure | 21AB510623 | --- | 4 | 3 | 08 | 15 |
| 37 | Saurabh Rangrao Thombare | 21AB510627 | --- | 4 | 3 | 08 | 15 |
| 38 | Shreya Rajkumar Tale | 21AB510630 | --- | 4 | 3 | 08 | 15 |
| 39 | Shruti Shankarrao Sultane | 21AB510634 | --- | 3 | 2 | 08 | 13 |
| 40 | Shweta Hiralal Bawangade | 21AB510637 | --- | 4 | 3 | 08 | 15 |
| 41 | Shweta Sanjay Ingale | 21AB510638 | --- | 4 | 3 | 08 | 15 |
| 42 | Sonal Sudhir Taksande | 21AB510641 | --- | 4 | 3 | 08 | 15 |
| 43 | Swapnil Shridhar Pataliya | 21AB510642 | --- | 4 | 3 | 08 | 15 |
| 44 | Tanvi Chandrashekhar Mete | 21AB510643 | --- | 4 | 3 | 08 | 15 |
| 45 | Tejal Narendra Hande | 21AB510645 | --- | 4 | 3 | 08 | 15 |
| 46 | Trupti Shuddhodhanrao Meshram | 21AB510646 | --- | 4 | 3 | 08 | 15 |
| 47 | Vaishnavi Dnyaneshwar Waghade | 21AB510647 | --- | 4 | 3 | 08 | 15 |
| 48 | Vaishnavi Khushalrao Ronghe | 21AB510648 | --- | 4 | 3 | 08 | 15 |
| 49 | Vaishnavi Raju Kalsarpe | 21AB510651 | --- | 4 | 3 | 08 | 15 |
| 50 | Yogita Ishwar Jambhulkar | 21AB510654 | --- | 4 | 3 | 08 | 15 |

**Date: - 10//01/2022**

**Name and Signature of Teacher:**
**(Dr. A. N. Rangari)**
**Department of Mathematics**
LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly

**Verified**

**Principal**
**(Dr. V. B. Gandole)**
PRINCIPAL
Adarsha Science, J.B. Arts
Birla Comm. Mahavidyalaya
Dhamangaon (Rly.)

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks

Appendix - IV

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.

Class : B.Sc. Part III (Semester- V)

Subject : Mathematics

Paper (with title): II (Mathematical Methods)

Name of the Teacher: Dr. Sudhir N. Bayaskar

Designation: Associate Professor

SESSION-2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Internal Assessment Test Date: 18/01/2022 | | | Total Marks awarded (out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Achal Sharadrao Jagtap | 30 | 29 | Pass | 08 |
| 2 | Akansha Dineshrao Gawande | 30 | 30 | Pass | 08 |
| 3 | Akanksha Gajanan Gulhane | 30 | 28 | Pass | 08 |
| 4 | Akshay Bandu Lawankar | 30 | 29 | Pass | 08 |
| 5 | Alisha Jayprakash Bhagat | 30 | 27 | Pass | 08 |
| 6 | Aniket Anil Gajbhiye | 30 | 27 | Pass | 08 |
| 7 | Ankita Diliprao Hiwarkar | 30 | 30 | Pass | 08 |
| 8 | Anushri Hiramanji Bhagat | 30 | 28 | Pass | 08 |
| 9 | Arpita Sunil Kadu | 30 | 30 | Pass | 08 |
| 10 | Ashlesha Ramdas Walke | 30 | 28 | Pass | 08 |
| 11 | Bhagyashree Ashokrao Waghade | 30 | 28 | Pass | 08 |
| 12 | Bhairavi Pradip Gandole | 30 | 30 | Pass | 08 |
| 13 | Chanchal Bhojraj Nikhar | 30 | 28 | Pass | 08 |
| 14 | Chhaya Ramdasji Dandare | 30 | 30 | Pass | 08 |
| 15 | Disha Ashok Kachave | 30 | 30 | Pass | 08 |
| 16 | Indrayani Yogirajji Thakare | 30 | 29 | Pass | 08 |
| 17 | Khushi Prasanna Bhandari | 30 | 24 | Pass | 08 |
| 18 | Labhanshu Mohanrao Jadhav | 30 | 27 | Pass | 08 |
| 19 | Madhuri Prathamraj Bhamkar | 30 | 29 | Pass | 08 |
| 20 | Minakshi Gopal Agrawal | 30 | 29 | Pass | 08 |
| 21 | Monali Rajendra Thakare | 30 | 30 | Pass | 08 |
| 22 | Mrunal Gajananrao Punwatkar | 30 | 29 | Pass | 08 |
| 23 | Nishigandha Subhashrao Kannake | 30 | 24 | Pass | 08 |

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| | | | | | |
|---|---|---|---|---|---|
| 24 | Omprakash Gajanan Tayade | 30 | 28 | Pass | 08 |
| 25 | Pallavi Vijayrao Badhiye | 30 | 28 | Pass | 08 |
| 26 | Pooja Diliprao Chakole | 30 | 29 | Pass | 08 |
| 27 | Prajwala Manoj Tirmare | 30 | 29 | Pass | 08 |
| 28 | Prajakta Gajanan Kadu | 30 | 29 | Pass | 08 |
| 29 | Pritam Prakash Ingole | 30 | 28 | Pass | 08 |
| 30 | Punam Rameshrao Kale | 30 | 29 | Pass | 08 |
| 31 | Rajashri Rajesh Lad | 30 | 30 | Pass | 08 |
| 32 | Sakshi Banduji Malode | 30 | 30 | Pass | 08 |
| 33 | Sakshi Haridas Dhole | 30 | 29 | Pass | 08 |
| 34 | Sakshi Nilesh Mankar | 30 | 29 | Pass | 08 |
| 35 | Sakshi Ravindra Thakare | 30 | 30 | Pass | 08 |
| 36 | Sakshi Subhashrao Rajgure | 30 | 29 | Pass | 08 |
| 37 | Saurabh Rangrao Thombare | 30 | 28 | Pass | 08 |
| 38 | Shreya Rajkumar Tale | 30 | 30 | Pass | 08 |
| 39 | Shruti Shankarrao Sultane | 30 | 30 | Pass | 08 |
| 40 | Shweta Hiralal Bawangade | 30 | 28 | Pass | 08 |
| 41 | Shweta Sanjay Ingale | 30 | 28 | Pass | 08 |
| 42 | Sonal Sudhir Taksande | 30 | 29 | Pass | 08 |
| 43 | Swapnil Shridhar Pataliya | 30 | 29 | Pass | 08 |
| 44 | Tanvi Chandrashekhar Mete | 30 | 29 | Pass | 08 |
| 45 | Tejal Narendra Hande | 30 | 27 | Pass | 08 |
| 46 | Trupti Shuddhodhanrao Meshram | 30 | 30 | Pass | 08 |
| 47 | Vaishnavi Dnyaneshwar Waghade | 30 | 28 | Pass | 08 |
| 48 | Vaishnavi Khushalrao Ronghe | 30 | 29 | Pass | 08 |
| 49 | Vaishnavi Raju Kalsarpe | 30 | 30 | Pass | 08 |
| 50 | Yogita Ishwar Jambhulkar | 30 | 24 | Pass | 08 |

**Date:- 20/01/2022**

**Name and Signature of Teacher**
**(Dr. S. N. Bayaskar)**
**HOD, Department of Mathematics**

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**

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Sant Gadge Baba Amravati University, Amravati

Appendix - V

Consolidated Record of Internal Assessment Marks

Name of the College : **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.**
Subject : **Mathematics**
Name of the Teache : **Dr. Sudhir N. Bayaskar**

Class: **B.Sc. Part III (Sem-V)**
Paper: **II (Mathematical Methods)**
Designation: **Associate Professor**

SESSION 2021-2022 (Winter-2021)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : --04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --03 | Internal test Max.Marks :-08 | |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| 1 | Achal Sharadrao Jagtap | 21AB510543 | --- | 4 | 3 | 08 | 15 |
| 2 | Akansha Dineshrao Gawande | 21AB510547 | --- | 4 | 3 | 08 | 15 |
| 3 | Akanksha Gajanan Gulhane | 21AB510545 | --- | 4 | 3 | 08 | 15 |
| 4 | Akshay Bandu Lawankar | 21AB510549 | --- | 4 | 3 | 08 | 15 |
| 5 | Alisha Jayprakash Bhagat | 21AB510551 | --- | 4 | 3 | 08 | 15 |
| 6 | Aniket Anil Gajbhiye | 21AB510553 | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Diliprao Hiwarkar | 21AB510554 | --- | 4 | 3 | 08 | 15 |
| 8 | Anushri Hiramanji Bhagat | 21AB510555 | --- | 4 | 3 | 08 | 15 |
| 9 | Arpita Sunil Kadu | 21AB510557 | --- | 4 | 3 | 08 | 15 |
| 10 | Ashlesha Ramdas Walke | 21AB510558 | --- | 4 | 3 | 08 | 15 |
| 11 | Bhagyashree Ashokrao Waghade | 21AB510562 | --- | 4 | 3 | 08 | 15 |
| 12 | Bhairavi Pradip Gandole | 21AB510563 | --- | 4 | 3 | 08 | 15 |
| 13 | Chanchal Bhojraj Nikhar | 21AB510564 | --- | 4 | 3 | 08 | 15 |
| 14 | Chhaya Ramdasji Dandare | 21AB510566 | --- | 4 | 3 | 08 | 15 |
| 15 | Disha Ashok Kachave | 21AB510570 | --- | 4 | 3 | 08 | 15 |
| 16 | Indrayani Yogirajji Thakare | 21AB510576 | --- | 4 | 3 | 08 | 15 |
| 17 | Khushi Prasanna Bhandari | 21AB510581 | --- | 4 | 3 | 08 | 15 |
| 18 | Labhanshu Mohanrao Jadhav | 21AB510583 | --- | 4 | 3 | 08 | 15 |
| 19 | Madhuri Prathamraj Bhamkar | 21AB510585 | --- | 4 | 3 | 08 | 15 |
| 20 | Minakshi Gopal Agrawal | 21AB510586 | --- | 4 | 3 | 08 | 15 |
| 21 | Monali Rajendra Thakare | 21AB510588 | --- | 4 | 3 | 08 | 15 |
| 22 | Mrunal Gajananrao Punwatkar | 21AB510589 | --- | 4 | 3 | 08 | 15 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23 | Nishigandha Subhashrao Kannake | 21AB51[illegible]2 | --- | 4 | 3 | 08 | 15 |
| 24 | Omprakash Gajanan Tayade | 21AB510594 | --- | 3 | 2 | 08 | 13 |
| 25 | Pallavi Vijayrao Badhiye | 21AB510598 | --- | 4 | 3 | 08 | 15 |
| 26 | Pooja Diliprao Chakole | 21AB510600 | --- | 3 | 2 | 08 | 13 |
| 27 | Prajwala Manoj Tirmare | 21AB510605 | --- | 4 | 3 | 08 | 15 |
| 28 | Prajakta Gajanan Kadu | 21AB510602 | --- | 4 | 3 | 08 | 15 |
| 29 | Pritam Prakash Ingole | 21AB510610 | --- | 4 | 3 | 08 | 15 |
| 30 | Punam Rameshrao Kale | 21AB510612 | --- | 4 | 3 | 08 | 15 |
| 31 | Rajashri Rajesh Lad | 21AB510613 | --- | 4 | 3 | 08 | 15 |
| 32 | Sakshi Banduji Malode | 21AB510617 | --- | 4 | 3 | 08 | 15 |
| 33 | Sakshi Haridas Dhole | 21AB510618 | --- | 4 | 3 | 08 | 15 |
| 34 | Sakshi Nilesh Mankar | 21AB510620 | --- | 4 | 3 | 08 | 15 |
| 35 | Sakshi Ravindra Thakare | 21AB510622 | --- | 4 | 3 | 08 | 15 |
| 36 | Sakshi Subhashrao Rajgure | 21AB510623 | --- | 4 | 3 | 08 | 15 |
| 37 | Saurabh Rangrao Thombare | 21AB510627 | --- | 4 | 3 | 08 | 15 |
| 38 | Shreya Rajkumar Tale | 21AB510630 | --- | 4 | 3 | 08 | 15 |
| 39 | Shruti Shankarrao Sultane | 21AB510634 | --- | 3 | 2 | 08 | 13 |
| 40 | Shweta Hiralal Bawangade | 21AB510637 | --- | 4 | 3 | 08 | 15 |
| 41 | Shweta Sanjay Ingale | 21AB510638 | --- | 4 | 3 | 08 | 15 |
| 42 | Sonal Sudhir Taksande | 21AB510641 | --- | 4 | 3 | 08 | 15 |
| 43 | Swapnil Shridhar Pataliya | 21AB510642 | --- | 4 | 3 | 08 | 15 |
| 44 | Tanvi Chandrashekhar Mete | 21AB510643 | --- | 4 | 3 | 08 | 15 |
| 45 | Tejal Narendra Hande | 21AB510645 | --- | 4 | 3 | 08 | 15 |
| 46 | Trupti Shuddhodhanrao Meshram | 21AB510646 | --- | 4 | 3 | 08 | 15 |
| 47 | Vaishnavi Dnyaneshwar Waghade | 21AB510647 | --- | 4 | 3 | 08 | 15 |
| 48 | Vaishnavi Khushalrao Ronghe | 21AB510648 | --- | 4 | 3 | 08 | 15 |
| 49 | Vaishnavi Raju Kalsarpe | 21AB510651 | --- | 4 | 3 | 08 | 15 |
| 50 | Yogita Ishwar Jambhulkar | 21AB510654 | --- | 4 | 3 | 08 | 15 |

**Date: - 20//01/2022**

**Name and Signature of Teacher:**
**(Dr. S. N. Bayaskar)**
**HOD, Department of Mathematics**

**Verified**

**Principal**
**(Dr. Y. B. Gandole)**
PRINCIPAL

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that Semester.

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ADARSHA SCIENCE, J. B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY

DEPARTMENT OF MATHEMATICS

# NOTICE

All the students of B.Sc. I (Sem II), B.Sc. II (Sem IV), and B.Sc. III (Sem VI) (Mathematics) are hereby informed that their 30 Marks Internal Assessment marks Unit Test will be held for Summer 2022 as per the time table given below. All the students need to be present for the test. Otherwise their internal marks will not be sent to the University.

| Class | Date | Time | Day | Paper Name | Syllabus |
|---|---|---|---|---|---|
| B.Sc.I (Sem II) | 29/04/ 2022 | 3:30 to 5:00 p.m. | Friday | Differential Equations: Ordinary & Partial | Units 1, 2 & 3 |
| B.Sc.II (Sem IV) | 04/05/ 2022 | 10.00 to 11:30 a.m. | Wednesday | Modern Algebra | Units 1, 2, & 3 |
| B.Sc.III (Sem VI) | 07/05/ 2022 | 10.00 to 11.30 a.m. | Saturday | Linear Algebra | Units 1, 2, & 3 |

**Syllabus:**

**B.Sc. I:** Unit1: First Order DE, Unit 2: Second Order DE, Unit 3: Solution of Second order DE by four Methods.

**B.Sc. II:** Unit 1: Group & Subgroups, Unit 2: Normal Subgroups, Unit 3: Group Homomorphisms,

**B.Sc. III:** Unit 1: Vector Space, Unit 2: Linear Transformations, Unit 3: Dual Space.

Rangari

Dr. A. N. Rangari
Department of Mathematics

Date:- 18/04/2022

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science,
Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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ADARSH SCIENCE, J. B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY

DEPARTMENT OF MATHEMATICS

# NOTICE

All the students of B.Sc. I (Mathematics) are hereby informed that they submit their Assignments on or before 15/05/2022. The Assignments submitted afterwards will not be considered.

Rangari

Dr. A. N. Rangari
Department of Mathematics

Date:-18/04/2022

Principal

(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science,
Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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ADARSH SCIENCE, J. B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY

DEPARTMENT OF MATHEMATICS

# NOTICE

All the students of B.Sc. II (Sem IV), and B.Sc. III (Sem VI) (Mathematics) are hereby informed that they make their mathematics seminar video of 5-10 minutes and submit (post) their mathematics seminar videos on their Google classroom on or before 15/05/2022. The videos submitted afterwards will not be considered.

It is compulsory for all students of Mathematics.

Marks on seminar: 4 Marks

Rangari.

Prof. A. N. Rangari
Department of Mathematics
Date:- 18/04/2022

Principal
(Dr. Y. B. Gandole)

PRINCIPAL
Adarsha Science,
Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly

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# NOTICE

All students of B.Sc-I (Sem-II) ,B.Sc-II(Sem-IV),and B.Sc-III (Sem-VI) (Mathematics) are hereby to informed that Internal Assessment Unit test will be held for summer-2022 as per the time table given below.All the students need to be present for the test.otherwise their internal marks will not be sent to the university.

| Class | Date | Paper Name | Syllabus |
|---|---|---|---|
| B.Sc-I Sem-II | 30-04-2022 | Vector Analysis & Geometry | Unit I,II,III |
| B.Sc-II Sem –IV | 05-05-2022 | Classical Mechanics | UNIT I,II,III |
| B.Sc-III Sem-VI | 09-05-2022 | Special theory of Relativity | UNIT I,II,III |

Dr. S. N. Bayaskar
Associate Professor & Head
Department of Mathematics,
Adarsha Science, J.B.Arts Birla Commerce
Mahavidyalaya, Dhamangaon Rly

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**ADARSHA SCIENCE, J.B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY**

**UNIT TEST 2021-2022**

**CLASS: B.Sc. I SEM-II**

**SUB: MATHEMATICS** **PAPER: III (Differential Equations: Ordinary & Partial)**

**Time: 2 Hrs** **Max. Marks: 30**

---

**Que.1:- a)** Solve $y' + y = \frac{1}{1+e^{2x}}$. 3

OR

b) Solve $\frac{dy}{dx} + \frac{y}{x} = x^2$, given y=1 when x=1 3

**Que.2:- a)** Find the orthogonal trajectory of $r^n = a^n \cos n\theta$. 3

OR

b) Test the following DE foe exactness and solve it

$$\left(x^2 - 4xy - 2y^2\right)dx + \left(y^2 - 4xy - 2x^2\right)dy = 0$$ 3

**Que 3:- a)** Solve $\left(e^y + 1\right)\cos x dx + e^y \sin x dy = 0$ 4

OR

b) Find the orthogonal trajectories of the family of semi cubical parabolas $ay^2 = x^3$ 4

**Que 4:- a)** Solve $\left(D^2 - 7D - 6\right)y = e^{2x}\left(1 + x\right)$ 5

OR

b) Solve $y'' - 4y' + 4y = e^{2x} + \sin 2x$ 5

**Que 5:- a)** Solve the DE $x^3 \frac{d^3y}{dx^3} - x^2 \frac{d^2y}{dx^2} + 2x\frac{dy}{dx} - 2y = x^3 + 3x$ 5

OR

b) Solve $\left(x^2D^2 - xD + 4\right)y = \cos\left(\log x\right)$ 5

**Que 6:- a)** Solve $x^2y'' - 3xy' + 3y = \left(2x + 1\right)x^2$ by change of dependent variable. 5

OR

b) Solve $y'' - \frac{2}{x}y' + \left(1 + \frac{2}{x^2}\right)y = xe^{-x}$ by reducing it to the normal form. 5

**Que7:- a)** Solve $x^2y'' + xy' + 10y = 0$ by changing the independent variable from x to $z = \log x$ 5

OR

b) Solve by the variation of parameters $y'' + n^2y = \operatorname{cosec} nx$ 5

**************************

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**Adarsha Science, J. B. Arts and Birla Commerce, Mahavidyalaya, Dhamangaon Rly.**

**Department of Mathematics**

**Unit Test Examination**

B.Sc (part -I)Sem -II

MATHEMATICS-IV

(Vector Analysis and Geometry)

[Time –one Hours] [maximum Marks-30]

Note:- Solve ONE question from each Unit.

**UNIT- I**

2. (a) Show that the necessary and sufficient condition for F(t) to have constant direction is

f. $\frac{df}{dt}=0$ (4)

(b)If $\Phi=11$ xyz and C is curve $x=t^2$, $y=10t$, $z=4t^2$ from t=o to t=1. Evaluate $\int_c dr$ 3)

(c) Prove that (a.b).(a.c).d= (a.d)[a b c] (3)

3. (p) prove that a.(b.c)=(a.c)b-(a.b)c (4)

(q) If $r(t)=5t^2i+tj-t^3k$ then prove that $\int_1^2 r.\frac{d^2r}{dt^2}$ dt=-14i+75j-15k (3)

(r) Prove that i.(a.b)+j.(a.j)+k.(a.k)=2a (3)

**UNIT-II**

4. (a)State and prove Frenet- Serret Formulae. (1+4)

(b) For a point on the curve of intersection of the surfaces

$X^2$ =y =$c^2$,y=x tan h$\frac{z}{c}$ , prove that $\rho=-6=\frac{2x^2}{c}$. (5)

5. (p) Find the expression of radius of curvature for the plane Curve in polar form (3)

(q) Prove that the position vector of the current point can be written in the form : (4)

$\frac{d}{ds}\{6\frac{d}{ds}(\rho\frac{d^2r}{ds^2})\}+\frac{d}{ds}\{\frac{6}{\rho}\frac{dt}{ds}\}+\frac{6}{\rho}\frac{d^2r}{ds^2}=0$

(r)Show that the Frenet-serret formulae at a point can be written in the form : (3)

$\frac{dt}{ds}$=d.t.$\frac{dn}{ds}$=d.n and$\frac{db}{ds}$=d.b. Where d=jt+kb is a Darboux vector.

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ADARSHA SCIENCE, J.B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY
INTERNAL UNIT TEST 2021-2022
CLASS: B.Sc. II SEM-IV
SUB: MATHEMATICS PAPER: VII (Modern Algebra)
Time: 2 Hrs Max. Marks: 30

Que 1:- If $G$ is an abelian group, then prove that: $(ab)^n = a^n b^n \quad \forall a, b \in G$ and $\forall$ integer $n$. 4

Que 2:- Prove that the intersection of any two subgroups of a group G is a subgroup of $G$. 3

Que 3:- Prove that the identity of a group $G$ is unique. 3

Que 4:- Prove that the intersection of any collection of normal subgroups of a group G is a normal Subgroup of G. 3

Que5:- Prove that the subgroup $N$ of $G$ is a normal subgroup of $G$ if and only if each left coset of $N$ in $G$ is a right coset of $N$ in $G$. 4

Que6:- If $H$ is a subgroup of $G$ and $N$ is a normal subgroup of $G$, prove that $H \cap N$ is a normal subgroup of $H$. 3

Que:-7 If $\phi$ is a homomorphism of $G$ into $G'$ with kernel $K$, then prove that $K$ is a normal subgroup of $G$

Que:-8 (a) If $\phi$ is a homomorphism of $G$ into $G'$ with kernel $K$, then prove that $G/K \approx G'$. 5

OR

(b) If M, N are normal subgroups of G, prove that $\frac{NM}{M} \approx \frac{N}{N \cap M}$. 5

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ADARSHA SCIENCE, J.B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY
INTERNAL UNIT TEST 2021-2022
CLASS: B.Sc. II SEM-IV
SUB: MATHEMATICS PAPER: VII (Modern Algebra)
Time: 2 Hrs Max. Marks: 30

Que 1:- If $G$ is an abelian group, then prove that: $(ab)^n = a^n b^n \quad \forall a, b \in G$ and $\forall$ integer $n$. 4

Que 2:- Prove that the intersection of any two subgroups of a group G is a subgroup of $G$. 3

Que 3:- Prove that the identity of a group $G$ is unique. 3

Que 4:- Prove that the intersection of any collection of normal subgroups of a group G is a normal Subgroup of G. 3

Que5:- Prove that the subgroup $N$ of $G$ is a normal subgroup of $G$ if and only if each left coset of $N$ in $G$ is a right coset of $N$ in $G$. 4

Que6:- If $H$ is a subgroup of $G$ and $N$ is a normal subgroup of $G$, prove that $H \cap N$ is a normal subgroup of $H$. 3

Que:-7 If $\phi$ is a homomorphism of $G$ into $G'$ with kernel $K$, then prove that $K$ is a normal subgroup of $G$. 5

Que:-8 (a) If $\phi$ is a homomorphism of $G$ into $G'$ with kernel $K$, then prove that $G/K \approx G'$. 5

OR

(b) If M, N are normal subgroups of G, prove that $\frac{NM}{M} \approx \frac{N}{N \cap M}$. 5

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**Adarsha Science, J. B. Arts and Birla Commerce, Mahavidyalaya, Dhamangaon Rly**

**Unit Test Examination**

B.Sc (part -II) Sem -~~VI~~ IV

MATHEMATICS-VIII (Classical Mechanics)

Time-ONE Hour Maximum marks -30

UNIT – I

1 (a)State and prove D'Alembert principle. 05

(b)constract a lagrangian for a spherical pendulum and then obtain the lagrange's equation of motion. 05

2(p)Derive the lagrange's equation of motion in the form $\frac{d}{dt}\left(\frac{dL}{dq_i}\right) - \frac{dL}{dq_i} = 0$, i=1, 2, ……..n. for conservative system from D'Alembert principle. 05

(q)Discuss the motion of a partical in a plane by using polar co-ordinate. 05

UNIT – II

3 (a) State and prove the viral theorem. 05

(b)Proove that for a central force field F, the path of a particle of a mass m is given by $d^2u/d\theta^2 + u = -m/h^2u^2 F\left(\frac{1}{2}\right)$ ,$u=\frac{1}{\epsilon}$ 05

4(p)A particle moves on a curve $r^n=a^n\cos n\theta$ under the influence of a central force field. Find the law of force. 05

(q) Prove that in a central force field theareal velocity is conserved. 05

UNIT – III

5(a)Show that the functional $I[y(x)]=\int_0^1 x^3\sqrt{1+y^2(x)}\,dx$ difind on the set of functions $y(x)\epsilon\, c[0,1]$ is continuous on the function $y_{0(x)}=x^2$ in the sense of zeroth order proximity.

(b) Find the shortest distance between two points A and B in a plane using polar coordinate. 05

6 (p) Show that the functional $I[y(x)]=\int_0^1\{2y(x+y'(x)\}\,dx$ defined in the space $C_1[0,1]$ is continuous on the function $y_{0(x)}=x$ in the sence of first order proximity.

(q) find the extremals of $I[y(x)] = \int_a^b [y^2 + y'^2 + 2ye^x]\,dx$. 05

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**ADARSHA SCIENCE, J.B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY**
**INTERNAL UNIT TEST 2021-2022**
**CLASS: B.Sc. III SEM-VI**
**SUB: MATHEMATICS PAPER: XI (Linear Algebra)**
**Time: 2 Hrs Max. Marks: 30**

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**Que1:-** Prove that intersection of two subspaces of a vector space is a subspace. 4

**Que2:-** Prove that the set $\{e^x, e^{2x}\}$ in $c^\infty(-\infty,\infty)$ is LI 3

**Que3:-** If $v_1, v_2, \ldots\ldots\ldots, v_n$ is a basis of V over F and if $\{w_1, w_2, \ldots\ldots\ldots, w_m\}$ is linearly independent, then prove that $m \leq n$. 3

**Que4:- a)** State and Prove Rank Nullity Theorem. 1+3

**Que 5:-** Determine range, rank, kernel and nullity of the linear map $T : V_3 \to V_4$ defined by $T(x_1, x_2, x_3) = (x_1, x_1 + x_2, x_1 + x_2 + x_3, x_3)$ Is T 1-1 ? 3

**Que6:-** Show that the linear map $T : V_3 \to V_3$ defined by $T(x_1, x_2, x_3) = (x_1 + x_2 + x_3, x_2 + x_3, x_3)$ is Nonsingular and find its inverse. 3

**Que7:-** If matrix of a linear map T with respect to bases $B_1$ and $B_2$ is $\begin{bmatrix} -1 & 2 & 1 \\ 1 & 0 & 3 \end{bmatrix}$ where $B_1 = \{(1,2,0), (0,-1,0), (1,-1,1)\}$ and $B_2 = \{(1,0), (2,-1)\}$ Find T(x,y,z) 4

**Que8:-** Let U and W be subspace of V over F .Then $U \subset W \Rightarrow A(W) \subset A(U)$. 3

**Que9:-** If W is a subspace of a finite dimensional vector space V, then show that $A\left(A(W)\right) = W$. 3

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**ADARSHA SCIENCE, J.B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY**
**INTERNAL UNIT TEST 2021-2022**
**CLASS: B.Sc. III SEM-VI**
**SUB: MATHEMATICS PAPER: XI (Linear Algebra)**
**Time: 2 Hrs Max. Marks: 30**

---

**Que1:-** Prove that intersection of two subspaces of a vector space is a subspace. 4

**Que2:-** Prove that the set $\{e^x, e^{2x}\}$ in $c^\infty(-\infty,\infty)$ is LI 3

**Que3:-** If $v_1, v_2, \ldots\ldots\ldots, v_n$ is a basis of V over F and if $\{w_1, w_2, \ldots\ldots\ldots, w_m\}$ is linearly independent, then prove that $m \leq n$. 3

**Que4:- a)** State and Prove Rank Nullity Theorem. 1+3

**Que 5:-** Determine range, rank, kernel and nullity of the linear map $T : V_3 \to V_4$ defined by $T(x_1, x_2, x_3) = (x_1, x_1 + x_2, x_1 + x_2 + x_3, x_3)$ Is T 1-1 ? 3

**Que6:-** Show that the linear map $T : V_3 \to V_3$ defined by $T(x_1, x_2, x_3) = (x_1 + x_2 + x_3, x_2 + x_3, x_3)$ is Nonsingular and find its inverse. 3

**Que7:-** If matrix of a linear map T with respect to bases $B_1$ and $B_2$ is $\begin{bmatrix} -1 & 2 & 1 \\ 1 & 0 & 3 \end{bmatrix}$ where $B_1 = \{(1,2,0), (0,-1,0), (1,-1,1)\}$ and $B_2 = \{(1,0), (2,-1)\}$ Find T(x,y,z) 4

**Que8:-** Let U and W be subspace of V over F. Then $\subset W \Rightarrow A(W) \subset A(U)$. 3

**Que9:-**If W is a subspace of a finite dimensional vector space V, then show that $A\left(A(W)\right) = W$. 3

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**Adarsha Science, J. B. Arts and Birla Commerce, Mahavidyalaya,Dhamangaon Rly**

**Department of Mathematics**

**Unit Test Examination**

B.Sc (part -III) Sem -VI

MATHEMATICS-XII

(Special Theory of Relativity)

[Time –one Hours] [maximum Marks-30]

Note:- (1) Solve ONE question from each Unit.

Unit I

Q. 1 (a) Derive the expression for Galilean transformation. 05

(b) Prove that Kinematical equation of motion are invariant are invariant under Galilean transformation. 05

Q. 2 (p) Define inertial system. Show that a particle moves in a straight line with Constant velocity. 05

(q) Show that the three dimensional volume element dx dy dz is not invariant but four dimensional volume element dx dy dz dt is Lorentz invariant. 05

Unit II

Q. 3 (a) Explain the phenomena of length contraction and time dilation. 05

(b) Derive an expression for transformation of velocity of a particle. 05

Q. 4 (p) show that in nature no signal can move with velocity greater than the velocity of light Relative to any inertial system. 05

(q) Derive an expression for transformation of acceleration of a particle. 05

Unit-III

Q.5 (a) Define (Any five)

(i) Kronecker Delta (ii) Contravarient tensor of order two

(iii) Contraction (Iv) Covarient tensor of order two

(v) Mixed tensor of order two. 05

(b) Explain the term Minkowskian Geometry. 05

Q. 6 (p) Prove that four dimensional radius vector is invariant under Lorentz invariant. 05

(q) Explain the term lowering and raising of suffixes. 05

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Appendix - IV

**Record of Internal Assessment Test**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.** Class: **B.Sc. Part I (Semester-II)**

Subject : **Mathematics** Paper (with title): **III (Differential Equations: Ordinary & Part**

Name of the Teacher: **Dr. Ashwina N. Rangari** Designation: **Assistant Professor**

**SESSION-2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Internal Assessment Test Date: 29/04/2022 | | | Total Marks awarded (10) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aarti Radheshyam Surjuse | 30 | 29 | Pass | 10 |
| 2 | Abhay Vilasrao Gawande | 30 | 18 | Pass | 08 |
| 3 | Abhijit Madhukarrao Manohare | 30 | 30 | Pass | 10 |
| 4 | Abhishek Jayvant Chaudhari | 30 | 24 | Pass | 10 |
| 5 | Atharva Pramod Gawande | 30 | 24 | Pass | 10 |
| 6 | Dikshant Sudhakarrao Moon | 30 | 24 | Pass | 10 |
| 7 | Huzaif Akmal Zakir ahmad | 30 | AB | Fail | 00 |
| 8 | Jay Pradip Hore | 30 | 25 | Pass | 10 |
| 9 | Juhi Dashrath Uike | 30 | 24 | Pass | 10 |
| 10 | Khushwant Vijay Gajbhiye | 30 | 15 | Pass | 06 |
| 11 | Komal Bharat Madavi | 30 | 25 | Pass | 10 |
| 12 | Kunal Rajesh Kelatkar | 30 | 19 | Pass | 08 |
| 13 | Maithili Rajabhau Ronghe | 30 | 30 | Pass | 10 |
| 14 | Monika Shamshersingh Nain | 30 | 24 | Pass | 10 |
| 15 | Naval Narandrarao Tondare | 30 | 25 | Pass | 10 |
| 16 | Nidhi Satishkumar Shriwas | 30 | 29 | Pass | 10 |
| 17 | Prachi Nitinrao Deshmukh | 30 | 30 | Pass | 10 |
| 18 | Pratik Diliprao Golit | 30 | 29 | Pass | 10 |
| 19 | Pratiksha Narendra Vyawahare | 30 | 30 | Pass | 10 |
| 20 | Pratiksha Sunilrao Ghavat | 30 | 25 | Pass | 10 |
| 21 | Ritesh Pramodrao Alone | 30 | 26 | Pass | 10 |
| 22 | Roshan Gulab Shah | 30 | 24 | Pass | 10 |
| 23 | Roshani Pradiprao Khandal | 30 | 24 | Pass | 10 |
| 24 | Rushikesh Narayan Rewade | 30 | 30 | Pass | 10 |
| 25 | Rushikesh Shankarrao Khadse | 30 | 28 | Pass | 10 |
| 26 | Sahil Jitendra Borkar | 30 | 30 | Pass | 10 |

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| | | | | | |
|---|---|---|---|---|---|
| 27 | Sakshi Ruprao Mete | 30 | 24 | Pass | 10 |
| 28 | Sandesh Ravindrarao Ugale | 30 | 15 | Pass | 06 |
| 29 | Saniya Kausar Riyaz Khan | 30 | 24 | Pass | 10 |
| 30 | Sayali Sanjay Kambale | 30 | 24 | Pass | 10 |
| 31 | Shaikh Soyal Shaikh Karim | 30 | 29 | Pass | 10 |
| 32 | Shatanand Amol Hiwarkar | 30 | 24 | Pass | 10 |
| 33 | Shehal Rajendra Chaudhari | 30 | 29 | Pass | 10 |
| 34 | Shravani Vithalrao Vidulkar | 30 | 29 | Pass | 10 |
| 35 | Snehal Babanrao Raut | 30 | 27 | Pass | 10 |
| 36 | Swamini Sudhakar Sarave | 30 | 24 | Pass | 10 |
| 37 | Tanvi Prashant Gandole | 30 | 26 | Pass | 10 |
| 38 | Tejaswini Govind Kapile | 30 | 27 | Pass | 10 |
| 39 | Tushar Sanjay Hanwate | 30 | 24 | Pass | 10 |
| 40 | Twinkal Gautam Gajbhiye | 30 | 27 | Pass | 10 |
| 41 | Vedant Manohar Thakare | 30 | 30 | Pass | 10 |
| 42 | Vedant Prabhakarrao Dhok | 30 | 24 | Pass | 10 |
| 43 | Vikram Vilas Somkuwar | 30 | 28 | Pass | 10 |

**Date: - 14/05/2022**

**Name and Signature of Teacher:**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly

**Verified**

**Principal**
**(Dr. Y. B. Gandole)**

Adarsha Science,
Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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Sant Gadge Baba Amravati University, Amravati. Appendix - I

**Record of internal Assessment Marks of Assignment/Project Assessment**

**(One Assignment per theory paper)**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.** Class: **B.Sc. Part I (Semester-II)**

Subject : **Mathematics** Paper (with title): **III (Differential Equations: Ordinary & Par**

Name of the Teacher: **Dr. Ashwina N. Rangari** Designation: **Assistant Professor**

**Session 2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Assignment | | Marks Awarded Out of - 5 | Project Assignment | | Marks Awarded Out of -5 |
|---|---|---|---|---|---|---|---|
| | | Allotted on | Submitted on | 4 | Allotted on | Submitted on | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aarti Radheshyam Surjuse | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 2 | Abhay Vilasrao Gawande | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 3 | Abhijit Madhukarrao Manohare | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 4 | Abhishek Jayvant Chaudhari | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 5 | Atharva Pramod Gawande | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 6 | Dikshant Sudhakarrao Moon | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 7 | Huzaif Akmal Zakir ahmad | 11/04/2022 | AB | 0 | -- | -- | 0 |
| 8 | Jay Pradip Hore | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 9 | Juhi Dashrath Uike | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 10 | Khushwant Vijay Gajbhiye | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 11 | Komal Bharat Madavi | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 12 | Kunal Rajesh Kelatkar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 13 | Maithili Rajabhau Ronghe | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 14 | Monika Shamshersingh Nain | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 15 | Naval Narandrarao Tondare | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 16 | Nidhi Satishkumar Shriwas | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 17 | Prachi Nitinrao Deshmukh | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 18 | Pratik Diliprao Golit | 11/04/2022 | 10/05/022 | 5 | -- | -- | 5 |
| 19 | Pratiksha Narendra Vyawahare | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 20 | Pratiksha Sunilrao Ghavat | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 21 | Ritesh Pramodrao Alone | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 22 | Roshan Gulab Shah | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 23 | Roshani Pradiprao Khandal | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 24 | Rushikesh Narayan Rewade | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 25 | Rushikesh Shankarrao Khadse | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | Sahil Jitendra Borkar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 27 | Sakshi Ruprao Mete | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 28 | Sandesh Ravindrarao Ugale | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 29 | Saniya Kausar Riyaz Khan | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 30 | Sayali Sanjay Kambale | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 31 | Shaikh Soyal Shaikh Karim | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 32 | Shatanand Amol Hiwarkar | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 33 | Shehal Rajendra Chaudhari | 11/04/2022 | 10/05/2022 | 4 | -- | -- | 4 |
| 34 | Shravani Vithalrao Vidulkar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 35 | Snehal Babanrao Raut | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 36 | Swamini Sudhakar Sarave | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 37 | Tanvi Prashant Gandole | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 38 | Tejaswini Govind Kapile | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 39 | Tushar Sanjay Hanwate | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 40 | Twinkal Gautam Gajbhiye | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 41 | Vedant Manohar Thakare | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 42 | Vedant Prabhakarrao Dhok | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 43 | Vikram Vilas Somkuwar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |

**Date: - 14/05/2022**

Rangari

**Name and Signature of Teacher**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya,
Dhamangaon Rly

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**

Adarsha Science
Jaiprakash Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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Appendix - V

**Consolidated Record of Internal Assessment Marks**

Name of the College : **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.** Class: **B.Sc. Part I (Sem-II)**

Subject : **Mathematics** Paper: **III (Differential Equations: Ordinary & Partial)**

Name of the Teacher(s): **Dr. Ashwina N. Rangari** Designation: **Assistant Professor**

**SESSION 2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 5 | Seminar / Group Discussion Max. Mark : --03 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --04 | Internal test Max.Marks :- 10 | |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| 1 | Aarti Radheshyam Surjuse | 21AB110470 | 5 | --- | --- | 10 | 15 |
| 2 | Abhay Vilasrao Gawande | 21AB110472 | 5 | --- | --- | 08 | 13 |
| 3 | Abhijit Madhukarrao Manohare | 21AB110473 | 5 | --- | --- | 10 | 15 |
| 4 | Abhishek Jayvant Chaudhari | 21AB110474 | 5 | --- | --- | 10 | 15 |
| 5 | Atharva Pramod Gawande | 21AB110484 | 5 | --- | --- | 10 | 15 |
| 6 | Dikshant Sudhakarrao Moon | 21AB110487 | 3 | --- | --- | 10 | 13 |
| 7 | Huzaif Akmal Zakir ahmad | | 0 | --- | --- | 00 | 00 |
| 8 | Jay Pradip Hore | 21AB110495 | 3 | --- | --- | 10 | 13 |
| 9 | Juhi Dashrath Uike | 21AB110496 | 5 | --- | --- | 10 | 15 |
| 10 | Khushwant Vijay Gajbhiye | 21AB110498 | 5 | --- | --- | 06 | 11 |
| 11 | Komal Bharat Madavi | 21AB110501 | 5 | --- | --- | 10 | 15 |
| 12 | Kunal Rajesh Kelatkar | 21AB110502 | 5 | --- | --- | 08 | 13 |
| 13 | Maithili Rajabhau Ronghe | 21AB110505 | 5 | --- | --- | 10 | 15 |
| 14 | Monika Shamshersingh Nain | 21AB110507 | 5 | --- | --- | 10 | 15 |
| 15 | Naval Narandrarao Tondare | 21AB110508 | 5 | --- | --- | 10 | 15 |
| 16 | Nidhi Satishkumar Shriwas | 21AB110510 | 5 | --- | --- | 10 | 15 |
| 17 | Prachi Nitinrao Deshmukh | 21AB110518 | 5 | --- | --- | 10 | 15 |
| 18 | Pratik Diliprao Golit | 21AB110525 | 5 | --- | --- | 10 | 15 |
| 19 | Pratiksha Narendra Vyawahare | 21AB110527 | 5 | --- | --- | 10 | 15 |
| 20 | Pratiksha Sunilrao Ghavat | 21AB110528 | 3 | --- | --- | 10 | 13 |
| 21 | Ritesh Pramodrao Alone | 21AB110533 | 3 | --- | --- | 10 | 13 |
| 22 | Roshan Gulab Shah | 21AB110534 | 5 | --- | --- | 10 | 15 |
| 23 | Roshani Pradiprao Khandal | 21AB110535 | 5 | --- | --- | 10 | 15 |
| 24 | Rushikesh Narayan Rewade | 21AB110538 | 5 | --- | --- | 10 | 15 |
| 25 | Rushikesh Shankarrao Khadse | 21AB110539 | | | | | |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Sahil Jitendra Borkar | 21AB110542 | 5 | --- | --- | 10 | 15 |
| 27 | Sakshi Ruprao Mete | 21AB110544 | 5 | --- | --- | 10 | 15 |
| 28 | Sandesh Ravindrarao Ugale | | 5 | --- | --- | 06 | 11 |
| 29 | Saniya Kausar Riyaz Khan | 21AB110551 | 5 | --- | --- | 10 | 15 |
| 30 | Sayali Sanjay Kambale | 21AB110554 | 5 | --- | --- | 10 | 15 |
| 31 | Shaikh Soyal Shaikh Karim | 21AB110556 | 5 | --- | --- | 10 | 15 |
| 32 | Shatanand Amol Hiwarkar | 21AB110557 | 3 | --- | --- | 10 | 13 |
| 33 | Shehal Rajendra Chaudhari | 21AB110567 | 4 | --- | --- | 10 | 14 |
| 34 | Shravani Vithalrao Vidulkar | 21AB110561 | 5 | --- | --- | 10 | 15 |
| 35 | Snehal Babanrao Raut | 21AB110566 | 5 | --- | --- | 10 | 15 |
| 36 | Swamini Sudhakar Sarave | 21AB110569 | 5 | --- | --- | 10 | 15 |
| 37 | Tanvi Prashant Gandole | 21AB270001 | 5 | --- | --- | 10 | 15 |
| 38 | Tejaswini Govind Kapile | 21AB110575 | 5 | --- | --- | 10 | 15 |
| 39 | Tushar Sanjay Hanwate | 21AB110578 | 5 | --- | --- | 10 | 15 |
| 40 | Twinkal Gautam Gajbhiye | 21AB110579 | 5 | --- | --- | 10 | 15 |
| 41 | Vedant Manohar Thakare | 21AB110583 | 3 | --- | --- | 10 | 13 |
| 42 | Vedant Prabhakarrao Dhok | 21AB110584 | 5 | --- | --- | 10 | 15 |
| 43 | Vikram Vilas Somkuwar | 21AB110586 | 5 | --- | --- | 10 | 15 |

**Date: - 14/05/2022**

Rangari

**Name and Signature of Teacher:**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts & Birla Comm. Mahavidyalaya, Dhamangaon Rly

**Verified**

**Principal**
**(Dr. V.B. Gandole)**

Adarsha Science,
Jatramdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Appendix - IV

**Record of Internal Assessment Test**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.** Class: **B.Sc. Part I (Semester-II)**

Subject : **Mathematics** Paper (with title): **IV (Vector Analysis & Solid Geometry)**

Name of the Teacher: **Dr. Sudhir N. Bayaskar** Designation: **Associate Professor**

**SESSION-2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Internal Assessment Test Date: 30/04/2022 | | | Total Marks awarded (10) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aarti Radheshyam Surjuse | 30 | 29 | Pass | 10 |
| 2 | Abhay Vilasrao Gawande | 30 | 18 | Pass | 08 |
| 3 | Abhijit Madhukarrao Manohare | 30 | 30 | Pass | 10 |
| 4 | Abhishek Jayvant Chaudhari | 30 | 24 | Pass | 10 |
| 5 | Atharva Pramod Gawande | 30 | 24 | Pass | 10 |
| 6 | Dikshant Sudhakarrao Moon | 30 | 24 | Pass | 10 |
| 7 | Huzaif Akmal Zakir ahmad | 30 | AB | Fail | 00 |
| 8 | Jay Pradip Hore | 30 | 25 | Pass | 10 |
| 9 | Juhi Dashrath Uike | 30 | 24 | Pass | 10 |
| 10 | Khushwant Vijay Gajbhiye | 30 | 15 | Pass | 06 |
| 11 | Komal Bharat Madavi | 30 | 25 | Pass | 10 |
| 12 | Kunal Rajesh Kelatkar | 30 | 19 | Pass | 08 |
| 13 | Maithili Rajabhau Ronghe | 30 | 30 | Pass | 10 |
| 14 | Monika Shamshersingh Nain | 30 | 24 | Pass | 10 |
| 15 | Naval Narandrarao Tondare | 30 | 25 | Pass | 10 |
| 16 | Nidhi Satishkumar Shriwas | 30 | 29 | Pass | 10 |
| 17 | Prachi Nitinrao Deshmukh | 30 | 30 | Pass | 10 |
| 18 | Pratik Diliprao Golit | 30 | 29 | Pass | 10 |
| 19 | Pratiksha Narendra Vyawahare | 30 | 30 | Pass | 10 |
| 20 | Pratiksha Sunilrao Ghavat | 30 | 25 | Pass | 10 |
| 21 | Ritesh Pramodrao Alone | 30 | 26 | Pass | 10 |
| 22 | Roshan Gulab Shah | 30 | 24 | Pass | 10 |
| 23 | Roshani Pradiprao Khandal | 30 | 24 | Pass | 10 |
| 24 | Rushikesh Narayan Rewade | 30 | 30 | Pass | 10 |
| 25 | Rushikesh Shankarrao Khadse | 30 | 28 | Pass | 10 |
| 26 | Sahil Jitendra Borkar | 30 | 30 | Pass | 10 |

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| | | | | | |
|---|---|---|---|---|---|
| 27 | Sakshi Ruprao Mete | 30 | 24 | Pass | 10 |
| 28 | Sandesh Ravindrarao Ugale | 30 | 15 | Pass | 06 |
| 29 | Saniya Kausar Riyaz Khan | 30 | 24 | Pass | 10 |
| 30 | Sayali Sanjay Kambale | 30 | 24 | Pass | 10 |
| 31 | Shaikh Soyal Shaikh Karim | 30 | 29 | Pass | 10 |
| 32 | Shatanand Amol Hiwarkar | 30 | 24 | Pass | 10 |
| 33 | Shehal Rajendra Chaudhari | 30 | 29 | Pass | 10 |
| 34 | Shravani Vithalrao Vidulkar | 30 | 29 | Pass | 10 |
| 35 | Snehal Babanrao Raut | 30 | 27 | Pass | 10 |
| 36 | Swamini Sudhakar Sarave | 30 | 24 | Pass | 10 |
| 37 | Tanvi Prashant Gandole | 30 | 26 | Pass | 10 |
| 38 | Tejaswini Govind Kapile | 30 | 27 | Pass | 10 |
| 39 | Tushar Sanjay Hanwate | 30 | 24 | Pass | 10 |
| 40 | Twinkal Gautam Gajbhiye | 30 | 27 | Pass | 10 |
| 41 | Vedant Manohar Thakare | 30 | 30 | Pass | 10 |
| 42 | Vedant Prabhakarrao Dhok | 30 | 24 | Pass | 10 |
| 43 | Vikram Vilas Somkuwar | 30 | 28 | Pass | 10 |

**Date: - 14/05/2022**

**Name and Signature of Teacher:**
**(Dr. S. N. Bajaskar)**
**Department of Mathematics**

Associate Professor & Head
Department of Mathematics
Adarsha Science J.B.Arts Birla Commerce
Mahavidyalaya, Dhamangaon Rly.

**Verified**

**Principal**
**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsha Science,
Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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**Record of internal Assessment Marks of Assignment/Project Assessment**

**(One Assignment per theory paper)**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.** Class: **B.Sc. Part I (Semester-II)**

Subject : **Mathematics** Paper (with title): **IV (Vector Analysis & Solid Geometry)**

Name of the Teacher: **Dr. Sudhir N. Bayaskar** Designation: **Associate Professor**

**Session 2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Assignment | | Marks Awarded Out of - 5 | Project Assignment | | Marks Awarded Out of -5 |
|---|---|---|---|---|---|---|---|
| | | Allotted on | Submitted on | 4 | Allotted on | Submitted on | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aarti Radheshyam Surjuse | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 2 | Abhay Vilasrao Gawande | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 3 | Abhijit Madhukarrao Manohare | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 4 | Abhishek Jayvant Chaudhari | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 5 | Atharva Pramod Gawande | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 6 | Dikshant Sudhakarrao Moon | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 7 | Huzaif Akmal Zakir ahmad | 11/04/2022 | AB | 0 | -- | -- | 0 |
| 8 | Jay Pradip Hore | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 9 | Juhi Dashrath Uike | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 10 | Khushwant Vijay Gajbhiye | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 11 | Komal Bharat Madavi | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 12 | Kunal Rajesh Kelatkar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 13 | Maithili Rajabhau Ronghe | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 14 | Monika Shamshersingh Nain | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 15 | Naval Narandrarao Tondare | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 16 | Nidhi Satishkumar Shriwas | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 17 | Prachi Nitinrao Deshmukh | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 18 | Pratik Diliprao Golit | 11/04/2022 | 10/05/022 | 5 | -- | -- | 5 |
| 19 | Pratiksha Narendra Vyawahare | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 20 | Pratiksha Sunilrao Ghavat | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 21 | Ritesh Pramodrao Alone | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 22 | Roshan Gulab Shah | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 23 | Roshani Pradiprao Khandal | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 24 | Rushikesh Narayan Rewade | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 25 | Rushikesh Shankarrao Khadse | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | Sahil Jitendra Borkar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 27 | Sakshi Ruprao Mete | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 28 | Sandesh Ravindrarao Ugale | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 29 | Saniya Kausar Riyaz Khan | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 30 | Sayali Sanjay Kambale | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 31 | Shaikh Soyal Shaikh Karim | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 32 | Shatanand Amol Hiwarkar | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 33 | Shehal Rajendra Chaudhari | 11/04/2022 | 10/05/2022 | 4 | -- | -- | 4 |
| 34 | Shravani Vithalrao Vidulkar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 35 | Snehal Babanrao Raut | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 36 | Swamini Sudhakar Sarave | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 37 | Tanvi Prashant Gandole | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 38 | Tejaswini Govind Kapile | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 39 | Tushar Sanjay Hanwate | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 40 | Twinkal Gautam Gajbhiye | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 41 | Vedant Manohar Thakare | 11/04/2022 | 10/05/2022 | 3 | -- | -- | 3 |
| 42 | Vedant Prabhakarrao Dhok | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |
| 43 | Vikram Vilas Somkuwar | 11/04/2022 | 10/05/2022 | 5 | -- | -- | 5 |

**Date: - 14/05/2022**

**Name and Signature of Teacher**
(Dr. S.N. Bayaskar)
**Department of Mathematics**

Department of Mathematics
Adarsha Science J.B.Arts Birla Commerce
Mahavidyalaya, Dhamangaon Rly.

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**

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Consolidated Record of Internal Assessment Marks

Appendix - V

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.

Subject : Mathematics

Class: B.Sc. Part I (Sem-II)

Name of the Teacher(s): Dr. Sudhir N. Bayaskar

Paper: IV (Vector Analysis & Solid Geometry)

Designation: Associate Professor

SESSION 2021-2022 (Summer-2022)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 5 | Seminar / Group Discussion Max. Mark : -03 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : -04 | Internal test Max.Marks :- 10 | |
| 1 | 2 | | | | | | |
| 1 | Aarti Radheshyam Surjuse | | 3 | 4 | 5 | 6 | 7 |
| 2 | Abhay Vilasrao Gawande | | 5 | --- | --- | 10 | 15 |
| 3 | Abhijit Madhukarrao Manohare | | 5 | --- | --- | 08 | 13 |
| 4 | Abhishek Jayvant Chaudhari | | 5 | --- | --- | 10 | 15 |
| 5 | Atharva Pramod Gawande | | 5 | --- | --- | 10 | 15 |
| 6 | Dikshant Sudhakarrao Moon | | 5 | --- | --- | 10 | 15 |
| 7 | Huzaif Akmal Zakir ahmad | | 3 | --- | --- | 10 | 13 |
| 8 | Jay Pradip Hore | | 0 | --- | --- | 00 | 00 |
| 9 | Juhi Dashrath Uike | | 3 | --- | --- | 10 | 13 |
| 10 | Khushwant Vijay Gajbhiye | | 5 | --- | --- | 10 | 15 |
| 11 | Komal Bharat Madavi | | 5 | --- | --- | 06 | 11 |
| 12 | Kunal Rajesh Kelatkar | | 5 | --- | --- | 10 | 15 |
| 13 | Maithili Rajabhau Ronghe | | 5 | --- | --- | 08 | 13 |
| 14 | Monika Shamshersingh Nain | | 5 | --- | --- | 10 | 15 |
| 15 | Naval Narandrarao Tondare | | 5 | --- | --- | 10 | 15 |
| 16 | Nidhi Satishkumar Shriwas | | 5 | --- | --- | 10 | 15 |
| 17 | Prachi Nitinrao Deshmukh | | 5 | --- | --- | 10 | 15 |
| 18 | Pratik Diliprao Golit | | 5 | --- | --- | 10 | 15 |
| 19 | Pratiksha Narendra Vyawahare | | 5 | --- | --- | 10 | 15 |
| 20 | Pratiksha Sunilrao Ghavat | | 5 | --- | --- | 10 | 15 |
| 21 | Ritesh Pramodrao Alone | | 3 | --- | --- | 10 | 15 |
| 22 | Roshan Gulab Shah | | 3 | --- | --- | 10 | 13 |
| 23 | Roshani Pradiprao Khandal | | 5 | --- | --- | 10 | 13 |
| 24 | Rushikesh Narayan Rewade | | 5 | --- | --- | 10 | 15 |
| 25 | Rushikesh Shankarrao Khadse | | 5 | --- | --- | 10 | 15 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | Sahil Jitendra Borkar | | 5 | --- | --- | 10 | 15 |
| 27 | Sakshi Ruprao Mete | | 5 | --- | --- | 10 | 15 |
| 28 | Sandesh Ravindrarao Ugale | | 5 | --- | --- | 06 | 11 |
| 29 | Saniya Kausar Riyaz Khan | | 5 | --- | --- | 10 | 15 |
| 30 | Sayali Sanjay Kambale | | 5 | --- | --- | 10 | 15 |
| 31 | Shaikh Soyal Shaikh Karim | | 5 | --- | --- | 10 | 15 |
| 32 | Shatanand Amol Hiwarkar | | 3 | --- | --- | 10 | 13 |
| 33 | Shehal Rajendra Chaudhari | | 4 | --- | --- | 10 | 14 |
| 34 | Shravani Vithalrao Vidulkar | | 5 | --- | --- | 10 | 15 |
| 35 | Snehal Babanrao Raut | | 5 | --- | --- | 10 | 15 |
| 36 | Swamini Sudhakar Sarave | | 5 | --- | --- | 10 | 15 |
| 37 | Tanvi Prashant Gandole | | 5 | --- | --- | 10 | 15 |
| 38 | Tejaswini Govind Kapile | | 5 | --- | --- | 10 | 15 |
| 39 | Tushar Sanjay Hanwate | | 5 | --- | --- | 10 | 15 |
| 40 | Twinkal Gautam Gajbhiye | | 5 | --- | --- | 10 | 15 |
| 41 | Vedant Manohar Thakare | | 3 | --- | --- | 10 | 13 |
| 42 | Vedant Prabhakarrao Dhok | | 5 | --- | --- | 10 | 15 |
| 43 | Vikram Vilas Somkuwar | | 5 | --- | --- | 10 | 15 |

**Date: - 14/05/2022**

**Name and Signature of Teacher:**

(Dr S.N. Gayaskar)

**Department of Mathematics**

Adarsha Science, J.B.Arts Birla Commerce Mahavidyalaya, Dhamangaon Rly.

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**

PRINCIPAL
Adarsha Science,
Jaramdas Bhaochand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON RLY.

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment Marks

Appendix - IV

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Class: **B.Sc. Part II (Semester- IV)**

Subject : **Mathematics**

Paper (with title): **III (Modern Algebra)**

Name of the Teacher: **Dr. Ashwina N. Rangari**

Designation: **Assistant Professor**

SESSION-2021-2022 (Summer-2022)

| Sr. No. | Name of Student | Internal Assessment Test Date: 04/05/2022 | | | Total Marks awarded (Out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aachal Raju Dafe | 30 | 24 | Pass | 08 |
| 2 | Abhishek Arvind Manke | 30 | 24 | Pass | 08 |
| 3 | Achal Dnyaneshwar Pinjari | 30 | 24 | Pass | 08 |
| 4 | Aditya Duryodhan Nare | 30 | 18 | Pass | 06 |
| 5 | Akanksha Gajanan Guladhe | 30 | 30 | Pass | 08 |
| 6 | Amit Narendrarao Hande | 30 | 30 | Pass | 08 |
| 7 | Ankita Narpatsing Rajpurohit | 30 | 20 | Pass | 06 |
| 8 | Ashutosh Sunil Garode | 30 | 29 | Pass | 08 |
| 9 | Atish Vijayrao Sute | 30 | 24 | Pass | 08 |
| 10 | Bhavesh Chandrashekhar Tapare | 30 | 21 | Pass | 06 |
| 11 | Bhushan Arunrao Amale | 30 | 17 | Pass | 04 |
| 12 | Chaitanya Pradiprao Bhende | 30 | 30 | Pass | 08 |
| 13 | Chanchal Rajendra Jadhao | 30 | 27 | Pass | 08 |
| 14 | Devesh Sureshrao Chaware | 30 | 24 | Pass | 08 |
| 15 | Harshada Ravindra Pakhale | 30 | 11 | Pass | 04 |
| 16 | Jash Vijay Kambale | 30 | 24 | Pass | 08 |
| 17 | Jay Prakash Shende | 30 | 27 | Pass | 08 |
| 18 | Mayuri Prakashrao Raut | 30 | 27 | Pass | 08 |
| 19 | Meghana Chandrakant Khope | 30 | 28 | Pass | 08 |
| 20 | Metali Rajusing Chavhan | 30 | 28 | Pass | 08 |
| 21 | Namdeo Gajanan Madavi | 30 | 24 | Pass | 08 |
| 22 | Pranali Sunil Walke | 30 | 30 | Pass | 08 |
| 23 | Prapti Gajanan Panchbuddhe | 30 | 30 | Pass | 08 |
| 24 | Prashik Rajiv Chatur | 30 | 26 | Pass | 08 |
| 25 | Pratik Rameshrao Sarode | 30 | 29 | Pass | 08 |

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| | | | | | |
|---|---|---|---|---|---|
| 26 | Pravina Gajanan Pawar | 30 | 24 | Pass | 08 |
| 27 | Rashmi Nandkishorrao Raut | 30 | 24 | Pass | 08 |
| 28 | Renuka Mohan Khope | 30 | 24 | Pass | 08 |
| 29 | Rushali Sureshrao Nandane | 30 | 29 | Pass | 08 |
| 30 | Rutik Sudhakar Manohare | 30 | 24 | Pass | 08 |
| 31 | Rutik Nandkishor Shende | 30 | 24 | Pass | 08 |
| 32 | Rutuja Rajendra Dakhore | 30 | 27 | Pass | 08 |
| 33 | Sampada Virendra Wankhade | 30 | 30 | Pass | 08 |
| 34 | Shreya Vinod Raut | 30 | 24 | Pass | 08 |
| 35 | Shruti Narendrarao Sangode | 30 | 24 | Pass | 08 |
| 36 | Shruti Ranjeetsingh Thakur | 30 | 25 | Pass | 08 |
| 37 | Snehal Arunrao Nandane | 30 | 11 | Pass | 04 |
| 38 | Sumit Gajananrao Gotefode | 30 | 24 | Pass | 08 |
| 39 | Tejas Arvind Tale | 30 | 21 | Pass | 06 |
| 40 | Tejas Sanjay Sawant | 30 | 24 | Pass | 08 |
| 41 | Tejaswini Vijay Zade | 30 | 30 | Pass | 08 |
| 42 | Unnati Pundalikrao Pande | 30 | 17 | Pass | 04 |
| 43 | Vaishnavi Kundanrao Jawanjal | 30 | 29 | Pass | 08 |
| 44 | Vipin Pramod Dhepe | 30 | 30 | Pass | 08 |
| 45 | Yash Jagadish Katgale | 30 | 24 | Pass | 08 |
| 46 | Yogita Bramhanand Kale | 30 | 27 | Pass | 08 |

**Date:- 14/05/2022**

**Verified**

**Name and Signature of Teacher:**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts &
Birla Comm. Mahavidyalaya,
Dhamangaon Rly

**Principal**
**(Dr. Y. B. Gandole)**

Jairamdas Bhargava Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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Appendix - V

**Consolidated Record of Internal Assessment Marks**

Name of the College : **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.**
Class: **B.Sc. Part II (Sem- IV)**
Subject : **Mathematics**
Paper: **III (Modern Algebra)**
Name of the Teacher(s): **Dr. Ashwina N. Rangari**
Designation: **Assistant Professor**

**SESSION 2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max. Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : -04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : -03 | Internal test Max.Marks :- 08 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aachal Raju Dafe | 21AB310671 | --- | 4 | 3 | 08 | 15 |
| 2 | Abhishek Arvind Manke | 21AB310669 | --- | 4 | 3 | 08 | 15 |
| 3 | Achal Dnyaneshwar Pinjari | 21AB310670 | --- | 4 | 3 | 08 | 15 |
| 4 | Aditya Duryodhan Nare | 21AB310673 | --- | 3 | 3 | 06 | 12 |
| 5 | Akanksha Gajanan Guladhe | 21AB310676 | --- | 4 | 3 | 08 | 15 |
| 6 | Amit Narendrarao Hande | 21AB310680 | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Narpatsing Rajpurohit | 21AB310682 | --- | 4 | 3 | 06 | 13 |
| 8 | Ashutosh Sunil Garode | 21AB310688 | --- | 4 | 3 | 08 | 15 |
| 9 | Atish Vijayrao Sute | 21AB310690 | --- | 4 | 3 | 08 | 15 |
| 10 | Bhavesh Chandrashekhar Tapare | 21AB310691 | --- | 3 | 2 | 06 | 11 |
| 11 | Bhushan Arunrao Amale | 21AB310692 | --- | 4 | 3 | 04 | 11 |
| 12 | Chaitanya Pradiprao Bhende | 21AB310693 | --- | 4 | 3 | 08 | 15 |
| 13 | Chanchal Rajendra Jadhao | 21AB310694 | --- | 4 | 3 | 08 | 15 |
| 14 | Devesh Sureshrao Chaware | 21AB310696 | --- | 4 | 3 | 08 | 15 |
| 15 | Harshada Ravindra Pakhale | 21AB310704 | --- | 4 | 3 | 04 | 11 |
| 16 | Jash Vijay Kambale | 21AB310706 | --- | 4 | 3 | 08 | 15 |
| 17 | Jay Prakash Shende | 21AB310707 | --- | 4 | 3 | 08 | 15 |
| 18 | Mayuri Prakashrao Raut | 21AB310714 | --- | 4 | 3 | 08 | 15 |
| 19 | Meghana Chandrakant Khope | 21AB310715 | --- | 4 | 3 | 08 | 15 |
| 20 | Metali Rajusing Chavhan | 21AB310716 | --- | 4 | 3 | 08 | 15 |
| 21 | Namdeo Gajanan Madavi | 21AB310718 | --- | 4 | 3 | 08 | 15 |
| 22 | Pranali Sunil Walke | 21AB310722 | --- | 4 | 3 | 08 | 15 |
| 23 | Prapti Gajanan Panchbuddhe | 21AB310723 | --- | 4 | 3 | 08 | 15 |
| 24 | Prashik Rajiv Chatur | 21AB310724 | --- | 3 | 3 | 08 | 14 |
| 25 | Pratik Rameshrao Sarode | 21AB310725 | --- | 4 | 3 | 08 | 15 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | Pravina Gajanan Pawar | 21AB310727 | --- | 4 | 3 | 08 | 15 |
| 27 | Rashmi Nandkishorrao Raut | 21AB310731 | --- | 4 | 3 | 08 | 15 |
| 28 | Renuka Mohan Khope | 21AB310732 | --- | 4 | 3 | 08 | 15 |
| 29 | Rushali Sureshrao Nandane | 21AB310733 | --- | 4 | 3 | 08 | 15 |
| 30 | Rutik Sudhakar Manohare | 21AB310734 | --- | 4 | 3 | 08 | 15 |
| 31 | Rutik Nandkishor Shende | 21AB310735 | --- | 4 | 3 | 08 | 15 |
| 32 | Rutuja Rajendra Dakhore | 21AB310736 | --- | 4 | 3 | 08 | 15 |
| 33 | Sampada Virendra Wankhade | 21AB310743 | --- | 4 | 3 | 08 | 15 |
| 34 | Shreya Vinod Raut | 21AB310755 | --- | 4 | 3 | 08 | 15 |
| 35 | Shruti Narendrarao Sangode | 21AB310756 | --- | 4 | 3 | 08 | 15 |
| 36 | Shruti Ranjeetsingh Thakur | 21AB310758 | --- | 4 | 3 | 08 | 15 |
| 37 | Snehal Arunrao Nandane | AB | --- | 4 | 3 | 04 | 11 |
| 38 | Sumit Gajananrao Gotefode | 21AB310764 | --- | 4 | 3 | 08 | 15 |
| 39 | Tejas Arvind Tale | 21AB310766 | --- | 4 | 3 | 06 | 13 |
| 40 | Tejas Sanjay Sawant | 21AB310767 | --- | 4 | 3 | 08 | 15 |
| 41 | Tejaswini Vijay Zade | 21AB310769 | --- | 4 | 3 | 08 | 15 |
| 42 | Unnati Pundalikrao Pande | 21AB310770 | --- | 4 | 3 | 04 | 11 |
| 43 | Vaishnavi Kundanrao Jawanjal | 21AB310772 | --- | 4 | 3 | 08 | 15 |
| 44 | Vipin Pramod Dhepe | 21AB310778 | --- | 4 | 3 | 08 | 15 |
| 45 | Yash Jagadish Katgale | 21AB310781 | --- | 4 | 3 | 08 | 15 |
| 46 | Yogita Bramhanand Kale | 21AB310782 | --- | 4 | 3 | 08 | 15 |

**Date:- 14/05/2022**

**Verified**

Rangari

**Name and Signature of Teacher**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts &
Baba Comm. Mahavidyalaya,
Dhamangaon Rly

**Principal**
**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsha Science,
Jaiswal Bhagchand Arts &
Baba Commerce Mahavidyalaya
DHAMANGAON Rly.

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati

Appendix - IV

**Record of Internal Assessment Marks**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Class: **B.Sc. Part II (Semester- IV)**

Subject : **Mathematics**

Paper (with title): **IV (Classical Mechanics)**

Name of the Teacher: **Dr. Sudhir N. Bayaskar**

Designation: **Associate Professor**

**SESSION-2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Internal Assessment Test Date: 05/05/2022 | | | Total Marks awarded (Out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Aachal Raju Dafe | 30 | 24 | Pass | 08 |
| 2 | Abhishek Arvind Manke | 30 | 24 | Pass | 08 |
| 3 | Achal Dnyaneshwar Pinjari | 30 | 24 | Pass | 08 |
| 4 | Aditya Duryodhan Nare | 30 | 18 | Pass | 06 |
| 5 | Akanksha Gajanan Guladhe | 30 | 30 | Pass | 08 |
| 6 | Amit Narendrarao Hande | 30 | 30 | Pass | 08 |
| 7 | Ankita Narpatsing Rajpurohit | 30 | 20 | Pass | 06 |
| 8 | Ashutosh Sunil Garode | 30 | 29 | Pass | 08 |
| 9 | Atish Vijayrao Sute | 30 | 24 | Pass | 08 |
| 10 | Bhavesh Chandrashekhar Tapare | 30 | 21 | Pass | 06 |
| 11 | Bhushan Arunrao Amale | 30 | 17 | Pass | 04 |
| 12 | Chaitanya Pradiprao Bhende | 30 | 30 | Pass | 08 |
| 13 | Chanchal Rajendra Jadhao | 30 | 27 | Pass | 08 |
| 14 | Devesh Sureshrao Chaware | 30 | 24 | Pass | 08 |
| 15 | Harshada Ravindra Pakhale | 30 | 11 | Pass | 04 |
| 16 | Jash Vijay Kambale | 30 | 24 | Pass | 08 |
| 17 | Jay Prakash Shende | 30 | 27 | Pass | 08 |
| 18 | Mayuri Prakashrao Raut | 30 | 27 | Pass | 08 |
| 19 | Meghana Chandrakant Khope | 30 | 28 | Pass | 08 |
| 20 | Metali Rajusing Chavhan | 30 | 28 | Pass | 08 |
| 21 | Namdeo Gajanan Madavi | 30 | 24 | Pass | 08 |
| 22 | Pranali Sunil Walke | 30 | 30 | Pass | 08 |
| 23 | Prapti Gajanan Panchbuddhe | 30 | 30 | Pass | 08 |
| 24 | Prashik Rajiv Chatur | 30 | 26 | Pass | 08 |
| 25 | Pratik Rameshrao Sarode | 30 | 29 | Pass | 08 |

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| | | | | | |
|---|---|---|---|---|---|
| 26 | Pravina Gajanan Pawar | 30 | 24 | Pass | 08 |
| 27 | Rashmi Nandkishorrao Raut | 30 | 24 | Pass | 08 |
| 28 | Renuka Mohan Khope | 30 | 24 | Pass | 08 |
| 29 | Rushali Sureshrao Nandane | 30 | 29 | Pass | 08 |
| 30 | Rutik Sudhakar Manohare | 30 | 24 | Pass | 08 |
| 31 | Rutik Nandkishor Shende | 30 | 24 | Pass | 08 |
| 32 | Rutuja Rajendra Dakhore | 30 | 27 | Pass | 08 |
| 33 | Sampada Virendra Wankhade | 30 | 30 | Pass | 08 |
| 34 | Shreya Vinod Raut | 30 | 24 | Pass | 08 |
| 35 | Shruti Narendrarao Sangode | 30 | 24 | Pass | 08 |
| 36 | Shruti Ranjeetsingh Thakur | 30 | 25 | Pass | 08 |
| 37 | Snehal Arunrao Nandane | 30 | 11 | Pass | 04 |
| 38 | Sumit Gajananrao Gotefode | 30 | 24 | Pass | 08 |
| 39 | Tejas Arvind Tale | 30 | 21 | Pass | 06 |
| 40 | Tejas Sanjay Sawant | 30 | 24 | Pass | 08 |
| 41 | Tejaswini Vijay Zade | 30 | 30 | Pass | 08 |
| 42 | Unnati Pundalikrao Pande | 30 | 17 | Pass | 04 |
| 43 | Vaishnavi Kundanrao Jawanjal | 30 | 29 | Pass | 08 |
| 44 | Vipin Pramod Dhepe | 30 | 30 | Pass | 08 |
| 45 | Yash Jagadish Katgale | 30 | 24 | Pass | 08 |
| 46 | Yogita Bramhanand Kale | 30 | 27 | Pass | 08 |

**Date:- 14/05/2022**

**Verified**

**Name and Signature of Teacher:**
**(Dr. S.T. Bajaj)**
**Department of Mathematics**

Adarsha Science, J.B.Arts Birla Commerce Mahavidyalaya, Dhamangaon Rly.

**Principal**
**(Dr. Y.B. Gandole)**

PRINCIPAL
Adarsha Science,
Jaramdas Bhaoohand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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Appendix - V

Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.
Subject : Mathematics
Name of the Teacher(s): Dr. Sudhir N. Bayaskar

Class: B.Sc. Part II (Sem- IV)
Paper: IV (Classical Mechanics)
Designation: Associate Professor

SESSION 2021-2022 (Summer-2022)

| Sr. No. | Name of Student | | Marks Obtained | | | | Total Max. Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | Roll No. | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : --04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --03 | Internal test Max.Marks :- 08 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Aachal Raju Dafe | | --- | 4 | 3 | 08 | 15 |
| 2 | Abhishek Arvind Manke | | --- | 4 | 3 | 08 | 15 |
| 3 | Achal Dnyaneshwar Pinjari | | --- | 4 | 3 | 08 | 15 |
| 4 | Aditya Duryodhan Nare | | --- | 3 | 3 | 06 | 12 |
| 5 | Akanksha Gajanan Guladhe | | --- | 4 | 3 | 08 | 15 |
| 6 | Amit Narendrarao Hande | | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Narpatsing Rajpurohit | | --- | 4 | 3 | 06 | 13 |
| 8 | Ashutosh Sunil Garode | | --- | 4 | 3 | 08 | 15 |
| 9 | Atish Vijayrao Sute | | --- | 4 | 3 | 08 | 15 |
| 10 | Bhavesh Chandrashekhar Tapare | | --- | 3 | 2 | 06 | 11 |
| 11 | Bhushan Arunrao Amale | | --- | 4 | 3 | 04 | 11 |
| 12 | Chaitanya Pradiprao Bhende | | --- | 4 | 3 | 08 | 15 |
| 13 | Chanchal Rajendra Jadhao | | --- | 4 | 3 | 08 | 15 |
| 14 | Devesh Sureshrao Chaware | | --- | 4 | 3 | 08 | 15 |
| 15 | Harshada Ravindra Pakhale | | --- | 4 | 3 | 04 | 11 |
| 16 | Jash Vijay Kambale | | --- | 4 | 3 | 08 | 15 |
| 17 | Jay Prakash Shende | | --- | 4 | 3 | 08 | 15 |
| 18 | Mayuri Prakashrao Raut | | --- | 4 | 3 | 08 | 15 |
| 19 | Meghana Chandrakant Khope | | --- | 4 | 3 | 08 | 15 |
| 20 | Metali Rajusing Chavhan | | --- | 4 | 3 | 08 | 15 |
| 21 | Namdeo Gajanan Madavi | | --- | 4 | 3 | 08 | 15 |
| 22 | Pranali Sunil Walke | | --- | 4 | 3 | 08 | 15 |
| 23 | Prapti Gajanan Panchbuddhe | | --- | 4 | 3 | 08 | 15 |
| 24 | Prashik Rajiv Chatur | | --- | 3 | 3 | 08 | 14 |
| 25 | Pratik Rameshrao Sarode | | --- | 4 | 3 | 08 | 15 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | Pravina Gajanan Pawar | Ga | --- | 4 | 3 | 08 | 15 |
| 27 | Rashmi Nandkishorrao Raut | | --- | 4 | 3 | 08 | 15 |
| 28 | Renuka Mohan Khope | | --- | 4 | 3 | 08 | 15 |
| 29 | Rushali Sureshrao Nandane | | --- | 4 | 3 | 08 | 15 |
| 30 | Rutik Sudhakar Manohare | | --- | 4 | 3 | 08 | 15 |
| 31 | Rutik Nandkishor Shende | | --- | 4 | 3 | 08 | 15 |
| 32 | Rutuja Rajendra Dakhore | | --- | 4 | 3 | 08 | 15 |
| 33 | Sampada Virendra Wankhade | | --- | 4 | 3 | 08 | 15 |
| 34 | Shreya Vinod Raut | | --- | 4 | 3 | 08 | 15 |
| 35 | Shruti Narendrarao Sangode | | --- | 4 | 3 | 08 | 15 |
| 36 | Shruti Ranjeetsingh Thakur | | --- | 4 | 3 | 08 | 15 |
| 37 | Snehal Arunrao Nandane | | --- | 4 | 3 | 04 | 11 |
| 38 | Sumit Gajananrao Gotefode | | --- | 4 | 3 | 08 | 15 |
| 39 | Tejas Arvind Tale | | --- | 4 | 3 | 06 | 13 |
| 40 | Tejas Sanjay Sawant | | --- | 4 | 3 | 08 | 15 |
| 41 | Tejaswini Vijay Zade | | --- | 4 | 3 | 08 | 15 |
| 42 | Unnati Pundalikrao Pande | | --- | 4 | 3 | 04 | 11 |
| 43 | Vaishnavi Kundanrao Jawanjal | | --- | 4 | 3 | 08 | 15 |
| 44 | Vipin Pramod Dhepe | | --- | 4 | 3 | 08 | 15 |
| 45 | Yash Jagadish Katgale | | --- | 4 | 3 | 08 | 15 |
| 46 | Yogita Bramhanand Kale | | --- | 4 | 3 | 08 | 15 |

**Date:- 14/05/2022**

**Verified**

**Name and Signature of Teacher**
**(Dr. S.N. Bajeshai)**
**Department of Mathematics**
Adarsha Science, J.B.Arts Birla Commerce
Mahavidyalaya, Dhamangaon Rly.

**Principal**
**(Dr. Y.B. Gandole)**
PRINCIPAL
Adarsha Science,
Jaramdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati

Appendix - IV

**Record of Internal Assessment Marks**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Class: **B.Sc. Part III (Semester- VI)**

Subject : **Mathematics**

Paper (with title): **III (Linear Algebra)**

Name of the Teacher: **Dr. Ashwina N. Rangari**

Designation: **Assistant Professor**

SESSION-2021-2022 (Summer-2022)

| Sr. No. | Name of Student | Internal Assessment Test Date: 07/05/2022 | | | Total Marks awarded (out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Achal Sharadrao Jagtap | 30 | 29 | Pass | 08 |
| 2 | Akansha Dineshrao Gawande | 30 | 30 | Pass | 08 |
| 3 | Akanksha Gajanan Gulhane | 30 | 24 | Pass | 08 |
| 4 | Akshay Bandu Lawankar | 30 | 24 | Pass | 08 |
| 5 | Alisha Jayprakash Bhagat | 30 | 27 | Pass | 08 |
| 6 | Aniket Anil Gajbhiye | 30 | 24 | Pass | 08 |
| 7 | Ankita Diliprao Hiwarkar | 30 | 30 | Pass | 08 |
| 8 | Anushri Hiramanji Bhagat | 30 | 17 | Pass | 04 |
| 9 | Arpita Sunil Kadu | 30 | 30 | Pass | 08 |
| 10 | Ashlesha Ramdas Walke | 30 | 24 | Pass | 08 |
| 11 | Bhagyashree Ashokrao Waghade | 30 | 24 | Pass | 08 |
| 12 | Bhairavi Pradip Gandole | 30 | 26 | Pass | 08 |
| 13 | Chanchal Bhojraj Nikhar | 30 | 24 | Pass | 08 |
| 14 | Chhaya Ramdasji Dandare | 30 | 24 | Pass | 08 |
| 15 | Disha Ashok Kachave | 30 | 24 | Pass | 08 |
| 16 | Indrayani Yogirajji Thakare | 30 | 18 | Pass | 06 |
| 17 | Khushi Prasanna Bhandari | 30 | 26 | Pass | 08 |
| 18 | Labhanshu Mohanrao Jadhav | 30 | 25 | Pass | 08 |
| 19 | Madhuri Prathamraj Bhamkar | 30 | 30 | Pass | 08 |
| 20 | Minakshi Gopal Agrawal | 30 | 25 | Pass | 08 |
| 21 | Monali Rajendra Thakare | 30 | 30 | Pass | 08 |
| 22 | Mrunal Gajananrao Punwatkar | 30 | 26 | Pass | 08 |
| 23 | Nishigandha Subhashrao Kannake | 30 | 24 | Pass | 08 |

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| | | | | | |
|---|---|---|---|---|---|
| 24 | Omprakash Gajanan Tayade | 30 | 24 | Pass | 08 |
| 25 | Pallavi Vijayrao Badhiye | 30 | 25 | Pass | 08 |
| 26 | Pooja Diliprao Chakole | 30 | 24 | Pass | 08 |
| 27 | Prajwala Manoj Tirmare | 30 | 24 | Pass | 08 |
| 28 | Prajakta Gajanan Kadu | 30 | 29 | Pass | 08 |
| 29 | Pritam Prakash Ingole | 30 | 24 | Pass | 08 |
| 30 | Punam Rameshrao Kale | 30 | 27 | Pass | 08 |
| 31 | Rajashri Rajesh Lad | 30 | 25 | Pass | 08 |
| 32 | Sakshi Banduji Malode | 30 | 30 | Pass | 08 |
| 33 | Sakshi Haridas Dhole | 30 | 30 | Pass | 08 |
| 34 | Sakshi Nilesh Mankar | 30 | 26 | Pass | 08 |
| 35 | Sakshi Ravindra Thakare | 30 | 30 | Pass | 08 |
| 36 | Sakshi Subhashrao Rajgure | 30 | 27 | Pass | 08 |
| 37 | Saurabh Rangrao Thombare | 30 | 18 | Pass | 06 |
| 38 | Shreya Rajkumar Tale | 30 | 29 | Pass | 08 |
| 39 | Shruti Shankarrao Sultane | 30 | 24 | Pass | 08 |
| 40 | Shweta Hiralal Bawangade | 30 | 25 | Pass | 08 |
| 41 | Shweta Sanjay Ingale | 30 | 24 | Pass | 08 |
| 42 | Sonal Sudhir Taksande | 30 | 27 | Pass | 08 |
| 43 | Swapnil Shridhar Pataliya | 30 | 24 | Pass | 08 |
| 44 | Tanvi Chandrashekhar Mete | 30 | 26 | Pass | 08 |
| 45 | Tejal Narendra Hande | 30 | 26 | Pass | 08 |
| 46 | Trupti Shuddhodhanrao Meshram | 30 | 26 | Pass | 08 |
| 47 | Vaishnavi Dnyaneshwar Waghade | 30 | 24 | Pass | 08 |
| 48 | Vaishnavi Khushalrao Ronghe | 30 | 29 | Pass | 08 |
| 49 | Vaishnavi Raju Kalsarpe | 30 | 25 | Pass | 08 |
| 50 | Yogita Ishwar Jambhulkar | 30 | AB | Fail | 00 |

**Date:- 14/05/2022**

**Name and Signature of Teacher**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts & Birla Comm. Mahavidyalaya, Dhamangaon Rly

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**

Adarsha Science,
Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks

Appendix - V

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.
Subject : Mathematics
Name of the Teache : Dr. Ashwina N. Rangari

Class: B.Sc. Part III (Sem-VI)
Paper: III (Linear Algebra)
Designation: Assistant Professor

SESSION 2021-2022 (Summer-2022)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : --04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --03 | Internal test Max.Marks :-08 | |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| 1 | Achal Sharadrao Jagtap | 21AB510543 | --- | 4 | 3 | 08 | 15 |
| 2 | Akansha Dineshrao Gawande | 21AB510547 | --- | 4 | 3 | 08 | 15 |
| 3 | Akanksha Gajanan Gulhane | 21AB510545 | --- | 4 | 3 | 08 | 15 |
| 4 | Akshay Bandu Lawankar | 21AB510549 | --- | 4 | 3 | 08 | 15 |
| 5 | Alisha Jayprakash Bhagat | 21AB510551 | --- | 4 | 3 | 08 | 15 |
| 6 | Aniket Anil Gajbhiye | 21AB510553 | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Diliprao Hiwarkar | 21AB510554 | --- | 4 | 3 | 08 | 15 |
| 8 | Anushri Hiramanji Bhagat | 21AB510555 | --- | 4 | 3 | 04 | 11 |
| 9 | Arpita Sunil Kadu | 21AB510557 | --- | 4 | 3 | 08 | 15 |
| 10 | Ashlesha Ramdas Walke | 21AB510558 | --- | 4 | 3 | 08 | 15 |
| 11 | Bhagyashree Ashokrao Waghade | 21AB510562 | --- | 4 | 3 | 08 | 15 |
| 12 | Bhairavi Pradip Gandole | 21AB510563 | --- | 4 | 3 | 08 | 15 |
| 13 | Chanchal Bhojraj Nikhar | 21AB510564 | --- | 4 | 3 | 08 | 15 |
| 14 | Chhaya Ramdasji Dandare | 21AB510566 | --- | 4 | 3 | 08 | 15 |
| 15 | Disha Ashok Kachave | 21AB510570 | --- | 4 | 3 | 08 | 15 |
| 16 | Indrayani Yogirajji Thakare | 21AB510576 | --- | 4 | 3 | 06 | 13 |
| 17 | Khushi Prasanna Bhandari | 21AB510581 | --- | 4 | 3 | 08 | 15 |
| 18 | Labhanshu Mohanrao Jadhav | 21AB510583 | --- | 4 | 3 | 08 | 15 |
| 19 | Madhuri Prathamraj Bhamkar | 21AB510585 | --- | 4 | 3 | 08 | 15 |
| 20 | Minakshi Gopal Agrawal | 21AB510586 | --- | 4 | 3 | 08 | 15 |
| 21 | Monali Rajendra Thakare | 21AB510588 | --- | 4 | 3 | 08 | 15 |
| 22 | Mrunal Gajananrao Punwatkar | 21AB510589 | --- | 4 | 3 | 08 | 15 |

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|---|---|---|---|---|---|---|---|
| 23 | Nishigandha Subhashrao Kannake | 21AB510592 | --- | 4 | 3 | 08 | 15 |
| 24 | Omprakash Gajanan Tayade | 21AB510594 | --- | 4 | 3 | 08 | 15 |
| 25 | Pallavi Vijayrao Badhiye | 21AB510598 | --- | 4 | 3 | 08 | 15 |
| 26 | Pooja Diliprao Chakole | 21AB510600 | --- | 4 | 3 | 08 | 15 |
| 27 | Prajwala Manoj Tirmare | 21AB510605 | --- | 4 | 3 | 08 | 15 |
| 28 | Prajakta Gajanan Kadu | 21AB510602 | --- | 4 | 3 | 08 | 15 |
| 29 | Pritam Prakash Ingole | 21AB510610 | --- | 4 | 3 | 08 | 15 |
| 30 | Punam Rameshrao Kale | 21AB510612 | --- | 4 | 3 | 08 | 15 |
| 31 | Rajashri Rajesh Lad | 21AB510613 | --- | 4 | 3 | 08 | 15 |
| 32 | Sakshi Banduji Malode | 21AB510617 | --- | 4 | 3 | 08 | 15 |
| 33 | Sakshi Haridas Dhole | 21AB510618 | --- | 4 | 3 | 08 | 15 |
| 34 | Sakshi Nilesh Mankar | 21AB510620 | --- | 4 | 3 | 08 | 15 |
| 35 | Sakshi Ravindra Thakare | 21AB510622 | --- | 4 | 3 | 08 | 15 |
| 36 | Sakshi Subhashrao Rajgure | 21AB510623 | --- | 4 | 3 | 06 | 13 |
| 37 | Saurabh Rangrao Thombare | 21AB510627 | --- | 4 | 3 | 08 | 15 |
| 38 | Shreya Rajkumar Tale | 21AB510630 | --- | 4 | 3 | 08 | 15 |
| 39 | Shruti Shankarrao Sultane | 21AB510634 | --- | 4 | 3 | 08 | 15 |
| 40 | Shweta Hiralal Bawangade | 21AB510637 | --- | 4 | 3 | 08 | 15 |
| 41 | Shweta Sanjay Ingale | 21AB510638 | --- | 4 | 3 | 08 | 15 |
| 42 | Sonal Sudhir Taksande | 21AB510641 | --- | 4 | 3 | 08 | 15 |
| 43 | Swapnil Shridhar Pataliya | 21AB510642 | --- | 4 | 3 | 08 | 15 |
| 44 | Tanvi Chandrashekhar Mete | 21AB510643 | --- | 4 | 3 | 08 | 15 |
| 45 | Tejal Narendra Hande | 21AB510645 | --- | 4 | 3 | 08 | 15 |
| 46 | Trupti Shuddhodhanrao Meshram | 21AB510646 | --- | 4 | 3 | 08 | 15 |
| 47 | Vaishnavi Dnyaneshwar Waghade | 21AB510647 | --- | 4 | 3 | 08 | 15 |
| 48 | Vaishnavi Khushalrao Ronghe | 21AB510648 | --- | 4 | 3 | 08 | 15 |
| 49 | Vaishnavi Raju Kalsarpe | 21AB510651 | --- | 4 | 3 | 08 | 15 |
| 50 | Yogita Ishwar Jambhulkar | AB | --- | AB | AB | AB | 00 |

**Date: - 14//05/2022**

**Name and Signature of Teacher:**
**(Dr. A. N. Rangari)**
**Department of Mathematics**

LECTURER
Adarsha Science, J.B.Arts & Birla Comm. Mahavidyalaya, Dhamangaon City

**Verified**

**Principal**
**(Dr. Y. B. Gandole)**

PRINCIPAL
Adarsha Science, Jaramdas Bhagchand Arts & Birla Commerce Mahavidyalaya DHAMANGAON

**Note:** This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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Sant Gadge Baba Amravati University, Amravati

Appendix - IV

**Record of Internal Assessment Marks**

Name of the College: **Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

Class: **B.Sc. Part III (Semester-**

Subject : **Mathematics**

Paper (with title): **IV (Special Theory of Re**

Name of the Teacher: **Dr. Sudhir N. Bayaskar**

Designation: **Associate Professor**

**SESSION-2021-2022 (Summer-2022)**

| Sr. No. | Name of Student | Internal Assessment Test Date: 09/05/2022 | | | Total Marks awarded (Out of 08) |
|---|---|---|---|---|---|
| | | Max Marks | Marks Obtained | Pass / Fail | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Achal Sharadrao Jagtap | 30 | 29 | Pass | 08 |
| 2 | Akansha Dineshrao Gawande | 30 | 30 | Pass | 08 |
| 3 | Akanksha Gajanan Gulhane | 30 | 24 | Pass | 08 |
| 4 | Akshay Bandu Lawankar | 30 | 24 | Pass | 08 |
| 5 | Alisha Jayprakash Bhagat | 30 | 27 | Pass | 08 |
| 6 | Aniket Anil Gajbhiye | 30 | 24 | Pass | 08 |
| 7 | Ankita Diliprao Hiwarkar | 30 | 30 | Pass | 08 |
| 8 | Anushri Hiramanji Bhagat | 30 | 17 | Pass | 04 |
| 9 | Arpita Sunil Kadu | 30 | 30 | Pass | 08 |
| 10 | Ashlesha Ramdas Walke | 30 | 24 | Pass | 08 |
| 11 | Bhagyashree Ashokrao Waghade | 30 | 24 | Pass | 08 |
| 12 | Bhairavi Pradip Gandole | 30 | 26 | Pass | 08 |
| 13 | Chanchal Bhojraj Nikhar | 30 | 24 | Pass | 08 |
| 14 | Chhaya Ramdasji Dandare | 30 | 24 | Pass | 08 |
| 15 | Disha Ashok Kachave | 30 | 24 | Pass | 08 |
| 16 | Indrayani Yogirajji Thakare | 30 | 18 | Pass | 06 |
| 17 | Khushi Prasanna Bhandari | 30 | 26 | Pass | 08 |
| 18 | Labhanshu Mohanrao Jadhav | 30 | 25 | Pass | 08 |
| 19 | Madhuri Prathamraj Bhamkar | 30 | 30 | Pass | 08 |
| 20 | Minakshi Gopal Agrawal | 30 | 25 | Pass | 08 |
| 21 | Monali Rajendra Thakare | 30 | 30 | Pass | 08 |
| 22 | Mrunal Gajananrao Punwatkar | 30 | 26 | Pass | 08 |
| 23 | Nishigandha Subhashrao Kannake | 30 | 24 | Pass | 08 |

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| | | | | | |
|---|---|---|---|---|---|
| 24 | Omprakash Gajanan Tayade | 30 | 24 | Pass | 08 |
| 25 | Pallavi Vijayrao Badhiye | 30 | 25 | Pass | 08 |
| 26 | Pooja Diliprao Chakole | 30 | 24 | Pass | 08 |
| 27 | Prajwala Manoj Tirmare | 30 | 24 | Pass | 08 |
| 28 | Prajakta Gajanan Kadu | 30 | 29 | Pass | 08 |
| 29 | Pritam Prakash Ingole | 30 | 24 | Pass | 08 |
| 30 | Punam Rameshrao Kale | 30 | 27 | Pass | 08 |
| 31 | Rajashri Rajesh Lad | 30 | 25 | Pass | 08 |
| 32 | Sakshi Banduji Malode | 30 | 30 | Pass | 08 |
| 33 | Sakshi Haridas Dhole | 30 | 30 | Pass | 08 |
| 34 | Sakshi Nilesh Mankar | 30 | 26 | Pass | 08 |
| 35 | Sakshi Ravindra Thakare | 30 | 30 | Pass | 08 |
| 36 | Sakshi Subhashrao Rajgure | 30 | 27 | Pass | 08 |
| 37 | Saurabh Rangrao Thombare | 30 | 18 | Pass | 06 |
| 38 | Shreya Rajkumar Tale | 30 | 29 | Pass | 08 |
| 39 | Shruti Shankarrao Sultane | 30 | 24 | Pass | 08 |
| 40 | Shweta Hiralal Bawangade | 30 | 25 | Pass | 08 |
| 41 | Shweta Sanjay Ingale | 30 | 24 | Pass | 08 |
| 42 | Sonal Sudhir Taksande | 30 | 27 | Pass | 08 |
| 43 | Swapnil Shridhar Pataliya | 30 | 24 | Pass | 08 |
| 44 | Tanvi Chandrashekhar Mete | 30 | 26 | Pass | 08 |
| 45 | Tejal Narendra Hande | 30 | 26 | Pass | 08 |
| 46 | Trupti Shuddhodhanrao Meshram | 30 | 26 | Pass | 08 |
| 47 | Vaishnavi Dnyaneshwar Waghade | 30 | 24 | Pass | 08 |
| 48 | Vaishnavi Khushalrao Ronghe | 30 | 29 | Pass | 08 |
| 49 | Vaishnavi Raju Kalsarpe | 30 | 25 | Pass | 08 |
| 50 | Yogita Ishwar Jambhulkar | 30 | AB | Fail | 00 |

**Date:- 14/05/2022**

**Name and Signature of Teacher**

(Dr. S. M. Gavaskar)

Associate Professor
Department of Mathematics
Adarsha Science, J.B.Arts Birla Commerce Mahavidyalaya, Dhamangaon Rly.

**Department of Mathematics**

**Verified**

**Principal**
**(Dr. Y.B. Gandole)**

Adarsha Science,
Jairamdas Bhageliand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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Sant Gadge Baba Amravati University, Amravati
Consolidated Record of Internal Assessment Marks

Appendix - V

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly.
Subject : Mathematics
Name of the Teache : Dr. Sudhir N. Bayaskar

Class: B.Sc. Part III (Sem-VI)
Paper: IV (Special Theory of Relativity)
Designation: Associate Professor

SESSION 2021-2022 (Summer-2022)

| Sr. No. | Name of Student | Roll No. | Marks Obtained | | | | Total Max.Marks :-15 |
|---|---|---|---|---|---|---|---|
| | | | Assignment Max. Mark : | Seminar / Group Discussion Max. Mark : --04 | Study tour / Industrial visit / visit to Education Institutes / research organization / field work etc. Max. Mark : --03 | Internal test Max.Marks :-08 | |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| 1 | Achal Sharadrao Jagtap | | --- | 4 | 3 | 08 | 15 |
| 2 | Akansha Dineshrao Gawande | | --- | 4 | 3 | 08 | 15 |
| 3 | Akanksha Gajanan Gulhane | | --- | 4 | 3 | 08 | 15 |
| 4 | Akshay Bandu Lawankar | | --- | 4 | 3 | 08 | 15 |
| 5 | Alisha Jayprakash Bhagat | | --- | 4 | 3 | 08 | 15 |
| 6 | Aniket Anil Gajbhiye | | --- | 4 | 3 | 08 | 15 |
| 7 | Ankita Diliprao Hiwarkar | | --- | 4 | 3 | 08 | 15 |
| 8 | Anushri Hiramanji Bhagat | | --- | 4 | 3 | 04 | 11 |
| 9 | Arpita Sunil Kadu | | --- | 4 | 3 | 08 | 15 |
| 10 | Ashlesha Ramdas Walke | | --- | 4 | 3 | 08 | 15 |
| 11 | Bhagyashree Ashokrao Waghade | | --- | 4 | 3 | 08 | 15 |
| 12 | Bhairavi Pradip Gandole | | --- | 4 | 3 | 08 | 15 |
| 13 | Chanchal Bhojraj Nikhar | | --- | 4 | 3 | 08 | 15 |
| 14 | Chhaya Ramdasji Dandare | | --- | 4 | 3 | 08 | 15 |
| 15 | Disha Ashok Kachave | | --- | 4 | 3 | 08 | 15 |
| 16 | Indrayani Yogirajji Thakare | | --- | 4 | 3 | 06 | 13 |
| 17 | Khushi Prasanna Bhandari | | --- | 4 | 3 | 08 | 15 |
| 18 | Labhanshu Mohanrao Jadhav | | --- | 4 | 3 | 08 | 15 |
| 19 | Madhuri Prathamraj Bhamkar | | --- | 4 | 3 | 08 | 15 |
| 20 | Minakshi Gopal Agrawal | | --- | 4 | 3 | 08 | 15 |
| 21 | Monali Rajendra Thakare | | --- | 4 | 3 | 08 | 15 |
| 22 | Mrunal Gajananrao Punwatkar | | --- | 4 | 3 | 08 | 15 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Nishigandha Subhashrao Kannake | | --- | 4 | 3 | 08 | 15 |
| | Omprakash Gajanan Tayade | | --- | 4 | 3 | 08 | 15 |
| | Pallavi Vijayrao Badhiye | | --- | 4 | 3 | 08 | 15 |
| | Pooja Diliprao Chakole | | --- | 4 | 3 | 08 | 15 |
| | Prajwala Manoj Tirmare | | --- | 4 | 3 | 08 | 15 |
| | Prajakta Gajanan Kadu | | --- | 4 | 3 | 08 | 15 |
| | Pritam Prakash Ingole | | --- | 4 | 3 | 08 | 15 |
| | Punam Rameshrao Kale | | --- | 4 | 3 | 08 | 15 |
| | Rajashri Rajesh Lad | | --- | 4 | 3 | 08 | 15 |
| | Sakshi Banduji Malode | | --- | 4 | 3 | 08 | 15 |
| | Sakshi Haridas Dhole | | --- | 4 | 3 | 08 | 15 |
| | Sakshi Nilesh Mankar | | --- | 4 | 3 | 08 | 15 |
| | Sakshi Ravindra Thakare | | --- | 4 | 3 | 08 | 15 |
| | Sakshi Subhashrao Rajgure | | --- | 4 | 3 | 08 | 15 |
| | Saurabh Rangrao Thombare | | --- | 4 | 3 | 06 | 13 |
| | Shreya Rajkumar Tale | | --- | 4 | 3 | 08 | 15 |
| | Shruti Shankarrao Sultane | | --- | 4 | 3 | 08 | 15 |
| | Shweta Hiralal Bawangade | | --- | 4 | 3 | 08 | 15 |
| | Shweta Sanjay Ingale | | --- | 4 | 3 | 08 | 15 |
| | Sonal Sudhir Taksande | | --- | 4 | 3 | 08 | 15 |
| | Swapnil Shridhar Pataliya | | --- | 4 | 3 | 08 | 15 |
| | Tanvi Chandrashekhar Mete | | --- | 4 | 3 | 08 | 15 |
| | Tejal Narendra Hande | | --- | 4 | 3 | 08 | 15 |
| | Trupti Shuddhodhanrao Meshram | | --- | 4 | 3 | 08 | 15 |
| | Vaishnavi Dnyaneshwar Waghade | | --- | 4 | 3 | 08 | 15 |
| | Vaishnavi Khushalrao Ronghe | | --- | 4 | 3 | 08 | 15 |
| | Vaishnavi Raju Kalsarpe | | --- | 4 | 3 | 08 | 15 |
| | Yogita Ishwar Jambhulkar | | --- | AB | AB | AB | 00 |

**Date: - 14//05/2022**

**Name and Signature of Teacher:**

(Dr. S. V. Bodyaskar)

Associate Professor & Head

Department of Mathematics

Adarsha Science, J.B.Arts Birla Commerce Mahavidyalaya, Dhamangaon Rly

**Department of Mathematics**

**Verified**

**Principal**

**(Dr. Y. B. Gandole)**

Adarsha Science,

Birla Commerce Mahavidyalaya

DHAMANGAON Rly.

: This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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# Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

## Department of Electronics

## NOTICE

**Date: 10/12/2021**

All the students of M.Sc.-I and M.Sc.-II are hereby informed that, they should submit their home assignment and deliver seminar presentation as per following schedule:

| Class | Last date of home assignment | Date of seminar presentation |
|---|---|---|
| M.Sc. I (Sem I) | 27/12/2021 | 23/12/2021 to 24/12/2021 |
| M.Sc. II (Sem III) | 27/12/2021 | 16/12/2021 to 17/12/2021 |

**Dr. S. A. Rodge**
Head, Dept. of Electronics

**Dr. Y. B. Gandole**
Principal

PRINCIPAL
Adarsha Science J.B. Arts
Birla Science Mahavidyalaya
Dhamangaon (Rly.)

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Appendix-IV

# Sant Gadge Baba Amravati University, Amravati
## Record of Internal Assessment (2021-22)

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Class : M.Sc. Part I (Semester-I)
Subject : ELECTRONICS
Name of the Teacher : 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke
Designation : Associate Professor Assistant Professor

| Sr. No. | Roll No. | Name of Student | Marks Obtained (out of 20) | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | 1ELE1 | 1ELE2 | 1ELE3 | 1ELE4 |
| 1 | | Abhijit Bharat Gharde | 18 | 19 | 19 | 18 |
| 2 | | Ajay Dnyaneshwarrao Nimkar | 19 | 19 | 19 | 19 |
| 3 | | Kajal Rajesh Bhagadkar | 20 | 20 | 20 | 20 |
| 4 | | Komal Narayanrao Uparikar | 20 | 20 | 20 | 20 |
| 5 | | Nishad Sandiprao Deshmukh | 19 | 19 | 19 | 20 |
| 6 | | Pratiksha Kailasrao Misal | 20 | 20 | 20 | 20 |
| 7 | | Priti Bhimraoji Dhole | 19 | 19 | 19 | 20 |
| 8 | | Rahul Ashokrao Patil | 20 | 20 | 20 | 19 |
| 9 | | Sandesh Bandu Sapate | 18 | 18 | 18 | 18 |
| 10 | | Shreya Sandesh Barwatkar | 18 | 19 | 19 | 18 |
| 11 | | Umesh Bhimrao Agaldhare | 18 | 19 | 19 | 19 |
| 12 | | Vinay Pramodrao Raut | 20 | 20 | 20 | 20 |
| 13 | | Vruttika Ganeshrao Hatwar | 20 | 19 | 20 | 20 |
| 14 | | Tina Sanjayrao Thakare | 20 | 20 | 20 | 20 |

Name and Signature of Teacher: 1) Dr.S.A.Rodge 2) Mr. S. K. Shelke

Verified

Signature of H.O.D.
Date: 17/01/2022

Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Note:

(a) Normally the teacher concerned may conduct one Written tests spread periodically during the semester and award the marks test/s accordingly
(b) It is expected that the class test/s should be conducted as per the following schedule,First test- 2nd week of August /4th week of December
(c) Responsibility of conducting the test shall be entrusted to one of the teacher of the department/ subject However, all the teacher of the subject shall be engaged in the evaluation of test/s as per the requirement
(d) As per the scheme total internal assessment marks for test/s shall be awarded on passing the test/s

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Appendix-D

Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment (2021-22)

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Class : M.Sc. Part II (Semester-III)
Subject : ELECTRONICS
Name of the Teacher : 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke
Designation : Associate Professor Assistant Professor

| Sr. No. | Roll No. | Name of Student | Marks Obtained (out of 20) | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3.1.1.1 | 3.1.1.2 | 3.1.1.3 | 3.1.1.4 |
| 1 | | Abhijeet Anil Aduru | 19 | 18 | 18 | 20 |
| 2 | | AkashVijayraoTalmale | 19 | 19 | 18 | 19 |
| 3 | | Ankita Manoharrao Bakale | 20 | 20 | 20 | 20 |
| 4 | | Dhanshri Sanjay Londekar | 20 | 20 | 20 | 20 |
| 5 | | DurgaRajendraTiwari | 20 | 18 | 20 | 20 |
| 6 | | KanchanPrakashLanjewar | 20 | 20 | 20 | 20 |
| 7 | | MinakshiMaheshwariRajankar | 20 | 20 | 20 | 20 |
| 8 | | Mohan Sanjay Khobragade | 19 | 18 | 18 | 19 |
| 9 | | Nikita Sanjaykumar Rawat | 20 | 20 | 20 | 20 |
| 10 | | PrachiNandakishorSadkari | 20 | 20 | 20 | 20 |
| 11 | | PrafullaDnyaneshwarVairale | 20 | 19 | 19 | 20 |
| 12 | | PratikshaRameshwarKale | 20 | 20 | 20 | 20 |
| 13 | | PriyankaMurlidharKulkarni | 19 | 20 | 19 | 19 |
| 14 | | Ram Thakurdas Gandhi | 18 | 18 | 18 | 18 |
| 15 | | SagarKishorraoBagalkar | 19 | 18 | 19 | 19 |
| 16 | | Sakshi Vijay Borkar | 20 | 20 | 20 | 20 |
| 17 | | SaloniRatanJaiswal | 18 | 20 | 19 | 18 |
| 18 | | ShamliRajendraDalal | 20 | 20 | 20 | 20 |
| 19 | | ShubhamKamalkishorPurohit | 19 | 19 | 19 | 19 |
| 20 | | SurajRajubhauLal | 19 | 19 | 19 | 19 |
| 21 | | SurajSunilraoRamteke | 19 | 19 | 18 | 19 |
| 22 | | VaishnaviMarotraoHude | 20 | 20 | 20 | 20 |
| 23 | | VaishnaviPrabhakararaoWaghe | 20 | 19 | 19 | 20 |
| 24 | | Vishal Sanjay Mahure | 19 | 20 | 18 | 19 |
| 25 | | YogeshRamchandraDangore | 20 | 20 | 20 | 20 |

Name and Signature of Teacher: 1) Dr. S.A. Rodge 2) Mr. S. K. Shelke

Verified

Signature of H.O.D.
Date: 17/01/2022

Principal
Adarsha Science J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Note:

(a) Normally the teacher concerned may conduct one Written tests spread periodically during the semester and award the marks tests accordingly
(b) It is expected that the class tests should be conducted as per the following schedule First test- 2nd week of August 4th week of December
(c) Responsibility of conducting the test shall be entrusted to one of the teacher of the department/ subject However, all the teacher of the subject shall be engaged in the evaluation of test/s as per the requirement
(d) As per the scheme total internal assessment marks for tests shall be awarded on passing the test/s.

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# Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

## Department of Electronics

## NOTICE

**Date: 13/04/2022**

All the students of M.Sc.-I and M.Sc.-II are hereby informed that, they should submit theirhome assignment and deliver seminar presentationas per following schedule:

| Class | Last date of home assignment | Date of seminar presentation |
|---|---|---|
| M.Sc. I (Sem II) | 28/04/2022 | 20/04/2022 to 21/04/2022 |
| M.Sc. II (Sem IV) | 28/04/2022 | 27/04/2022 to 28/04/2022 |

**Dr. S. A. Rodge**
Head, Dept. of Electronics

**Dr. Y. B. Gandole**
Principal

PRINCIPAL
Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya
Dhamangaon Rly

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Appendix-IV

# Sant Gadge Baba Amravati University, Amravati
## Record of Internal Assessment (2021-22)

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Class : M.Sc. Part I (Semester-II)
Subject : ELECTRONICS
Name of the Teacher : 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke
Designation : Associate Professor Assistant Professor

| Sr. No. | Roll No. | Name of Student | Marks Obtained (out of 20) | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | 2ELE1 | 2ELE2 | 2ELE3 | 2ELE4 |
| 1 | | Abhijit Bharat Gharde | 19 | 16 | 17 | 18 |
| 2 | | Ajay Dnyaneshwarrao Nimkar | 19 | 16 | 17 | 18 |
| 3 | | Kajal Rajesh Bhagadkar | 20 | 18 | 18 | 20 |
| 4 | | Komal Narayanrao Uparikar | 20 | 17 | 18 | 20 |
| 5 | | Nishad Sandiprao Deshmukh | 20 | 16 | 17 | 19 |
| 6 | | Pratiksha Kailasrao Misal | 20 | 17 | 18 | 20 |
| 7 | | Priti Bhimraoji Dhole | 20 | 17 | 17 | 20 |
| 8 | | Rahul Ashokrao Patil | 19 | 16 | 17 | 19 |
| 9 | | Sandesh Bandu Sapate | 19 | 16 | 17 | 18 |
| 10 | | Shreya Sandesh Barwatkar | 18 | 17 | 17 | 18 |
| 11 | | Umesh Bhimrao Agaldhare | 18 | 17 | 17 | 18 |
| 12 | | Vinay Pramodrao Raut | 18 | 17 | 17 | 18 |
| 13 | | Vruttika Ganeshrao Hatwar | 20 | 20 | 20 | 19 |
| 14 | | Tina Sanjayrao Thakare | 20 | 18 | 17 | 20 |

Name and Signature of Teacher: 1) Dr.S.A.Rodge sdgs 2) Mr. S. K. Shelke

Verified

Signature of H.O.D. sdgs
Date: 17/01/2022

Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Note:

(a) Normally the teacher concerned may conduct one Written tests spread periodically during the semester and award the marks test/s accordingly
(b) It is expected that the class test/s should be conducted as per the following schedule,First test- 2nd week of August /4th week of December.
(c) Responsibility of conducting the test shall be entrusted to one of the teacher of the department/ subject However, all the teacher of the subject shall be engaged in the evaluation of test/s as per the requirement
(d) As per the scheme total internal assessment marks for test/s shall be awarded on passing the test/s.

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Appendix-IV

Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment (2021-22)

Name of the College : Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Class : M.Sc. Part II (Semester-IV)
Subject : ELECTRONICS
Name of the Teacher : 1) Dr. S. A. Hodge 2) Mr. S. K. Shelke
Designation : Associate Professor Assistant Professor

| Sr. No. | Roll No. | Name of Student | Marks Obtained (out of 30) | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | HEE1 | HEE2 | HEE3 | HEE4 |
| 1 | | Abhijeet Anil Atkare | 18 | 19 | 30 | 18 |
| 2 | | AkashVijayraoDahivale | 18 | 18 | 30 | 18 |
| 3 | | Ankita MaroharraoDakale | 18 | 18 | 30 | 30 |
| 4 | | Dhanshri Sanjay Jawadekar | 18 | 18 | 30 | 30 |
| 5 | | DurgaRajendraDhure | 19 | 30 | 30 | 30 |
| 6 | | KanchanPrakashLonkase | 18 | 18 | 30 | 30 |
| 7 | | MinakshiMaheshRajankar | 18 | 30 | 30 | 30 |
| 8 | | Mohan Sanjay Khobragade | 18 | 18 | 30 | 18 |
| 9 | | Nikita Sanjayrao Jhawat | 18 | 18 | 30 | 19 |
| 10 | | PrachiNandakishorLalkart | 19 | 30 | 30 | 30 |
| 11 | | PratibhaShyamsharVairale | 30 | 30 | 30 | 30 |
| 12 | | PratikshaRameshwarKale | 18 | 18 | 30 | 18 |
| 13 | | PriyankaMurlidharJalhare | 19 | 18 | 30 | 18 |
| 14 | | Ram Thakurdas Gandhi | 18 | 18 | 30 | 18 |
| 15 | | SagarKishorraoSupalkar | 18 | 19 | 30 | 18 |
| 16 | | Sakshi Vijay Borkar | 19 | 30 | 30 | 30 |
| 17 | | SakshiRatanJaiswal | 19 | 30 | 30 | 30 |
| 18 | | ShamalRajendraDalli | 18 | 18 | 30 | 30 |
| 19 | | ShubhamKamalkishorPundkar | 19 | 19 | 30 | 18 |
| 20 | | SurajRajubhauKale | 18 | 18 | 30 | 18 |
| 21 | | SurajSunilraoRamteke | 18 | 19 | 30 | 18 |
| 22 | | VaishnaviManikraoHole | 19 | 19 | 30 | 30 |
| 23 | | VaishnaviPrabhakararaoWaghe | 18 | 19 | 30 | 30 |
| 24 | | Vishal Sanjay Madare | 18 | 18 | 30 | 18 |
| 25 | | YogeshRamchandraDangare | 30 | 30 | 30 | 30 |

Name and Signature of Teacher: 1) Dr. S. A. Hodge 2) Mr. S. K. Shelke

Verified

Signature of H.O.D.
Date: 17/01/2022

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly

Note:

(a) Normally the teacher concerned may conduct one Written tests spread periodically during the semester and award the marks/ tests accordingly

(b) It is expected that the class test/s should be conducted as per the following schedule First test: 3rd week of August /4th week of December

(c) Responsibility of conducting the test shall be entrusted to one of the teacher of the department/ subject However, all the teacher of the subject shall be engaged in the evaluation of test/s as per the requirement

(d) As per the scheme total internal assessment marks for test/s shall be awarded on passing the test/s

# ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY.

## DEPARTMENT OF ELECTRONICS

INTERNAL ASSESSMENT RECORD **(B.Sc.)**

**2021-2022**

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**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERECE MAHAVIDYALAYA, DHAMANGAON RLY.**

## Department of Electronics

## NOTICE

All the students of B.Sc. I are hereby informed that they should submit following Assignment on or before **20/12/2021**. Assignment submission is mandatory for Internal Assessment marks.

**AssignmentI :**

1. State and Prove Thevenins Theorem. 6 M
2. State and Prove Nortons Theorem. 6 M
3. State and Explain KCL and Explain. 6 M
4. What is Resistor? Explain Wire wound and Carbon composition resistor. 6 M
5. Draw and Explain the construction and Working of Transformer. 6 M

**Note :**

- All the questions are compulsory.
- Write given Assignment on the (30/50) page register i.e. Assignment book and submit to the department.

Date : 29/11/2021

Shelke

**Mr. S. K. Shelke**
Dept. of Electronics

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**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERECE MAHAVIDYALAYA, DHAMANGAON RLY.**

## Department of Electronics

## NOTICE

All the students of B.Sc. I, II and III are hereby informed that MCQ tests are scheduled as per timetable. It is mandatory for Internal Assessment marks.

| Class | Date | Time | Unit |
|---|---|---|---|
| **B.Sc. I** | 15/12/2021 | 2:00PM to 3:00PM | Unit I : Passive Components and Network Theorems |
| **B.Sc. II** | 10/12/2021 | 2:00 PM to 3:00 PM | Unit II : Power Amplifiers |
| **B.Sc. III** | 10/12/2021 | 1:00 PM to 2:00 PM | Unit III : Timer and PLL |
| **B.Sc. I** | 27/12/2021 | 2:00 PM to 3:00 PM | Unit III : Semiconductor diode and Regulated Power Supply |
| **B.Sc. II** | 17/12/2021 | 2:00 PM to 3:00 PM | Unit I : Hybrid Parameters and Cascaded Amplifiers |
| **B.Sc. III** | 20/12/2021 | 2:00 PM to 3:00 PM | Unit V : Sensors and Actuators |

Date : 29/11/2021

Shelke

**Mr. S. K. Shelke**
Dept. of Electronics

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**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERECE MAHAVIDYALAYA, DHAMANGAON RLY.**

**Department of Electronics**

# NOTICE

All the students of B.Sc. II, III are hereby informed that they should submit **Project Assignment** on or before **27/12/2021**. Project Assignment submission is mandatory for Internal Assessment marks.

**Note :**

- Project Assignment topic is based on latest development in **Electronics**.
- Write given Project Assignment (150- 200 words) on the A4 size pages or Print outs will also accept.

Date : 06/12/2021

Shelke

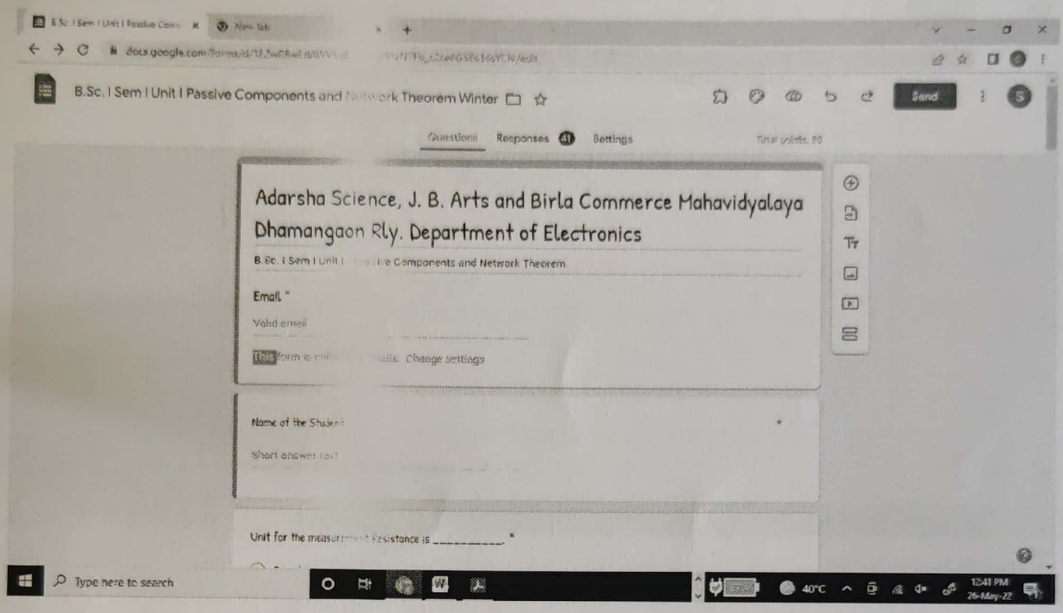
**Mr. S. K. Shelke**
Dept. of Electronics

Scanned with OKEN Scanner

**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly**
**Department of Electronics**
**Record of Online Unit Test and Google forms (2021-22)**

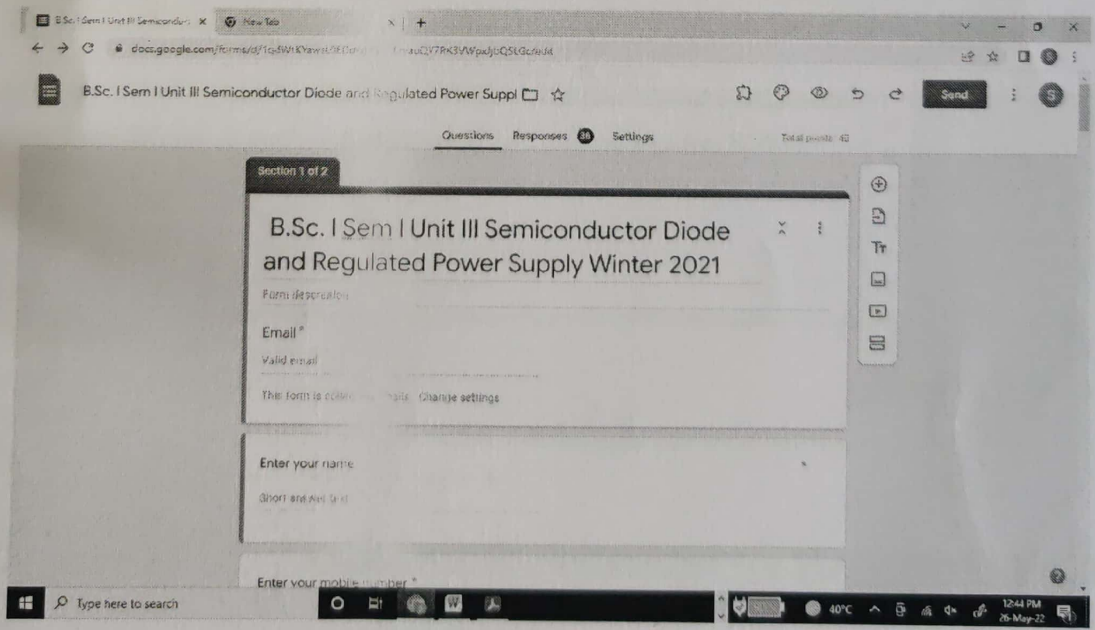
**B.Sc. I (Sem I) Unit Test I: Passive Components and Network theorem**

**Google form link :https://forms.gle/dWjZoEkbP36mujFC8**




**B.Sc. I (Sem I) Unit Test II : Semiconductor diode and Regulated Power Supply**

**Google form link :https://forms.gle/GMy5FmNnsun5y3Nv5**



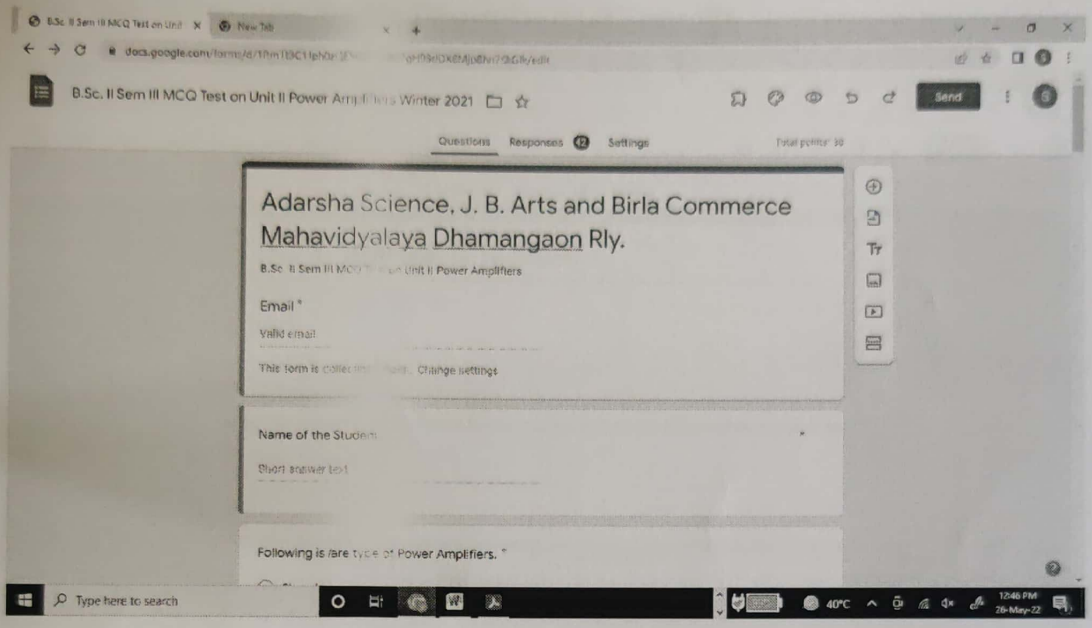

**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly**
**Department of Electronics**

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# Record of Online Unit Test and Google forms (2021-22)

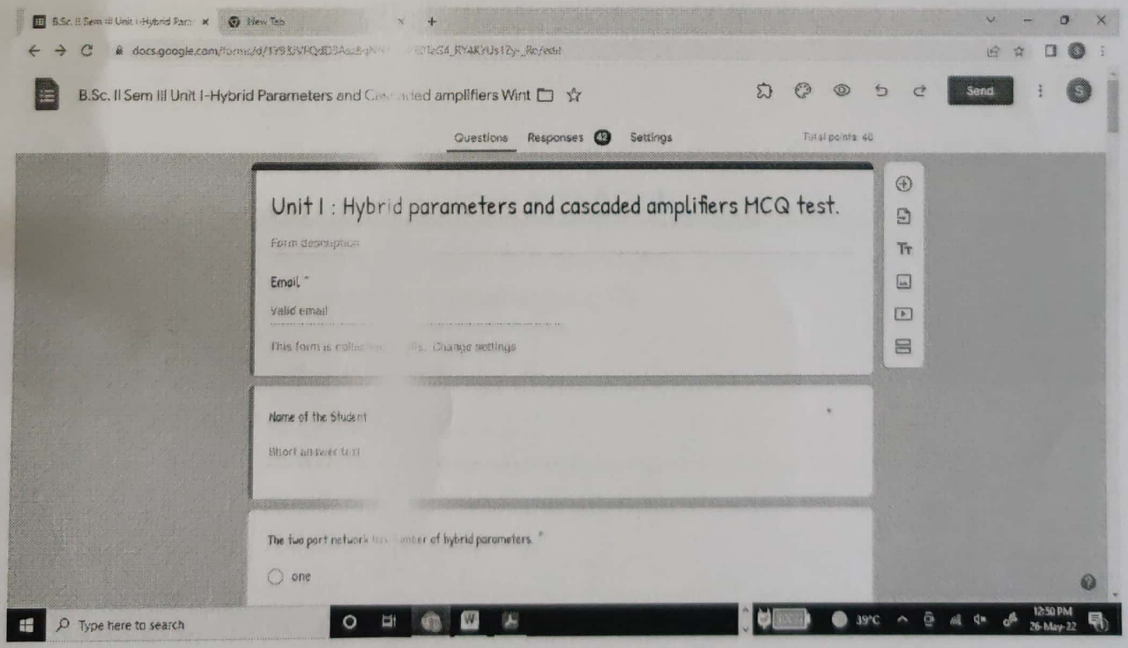
## B.Sc. II (Sem III) Unit Test I :Power Amplifiers

**Google form link :https://forms.gle/pgQ8oAEBSYiHjVWV8**




## B.Sc. II (Sem III) Unit Test II :Hybrid Parameters and Cascaded Amplifiers

**Google form link :https://forms.gle/QZgHTc2xkTUu4ardA**



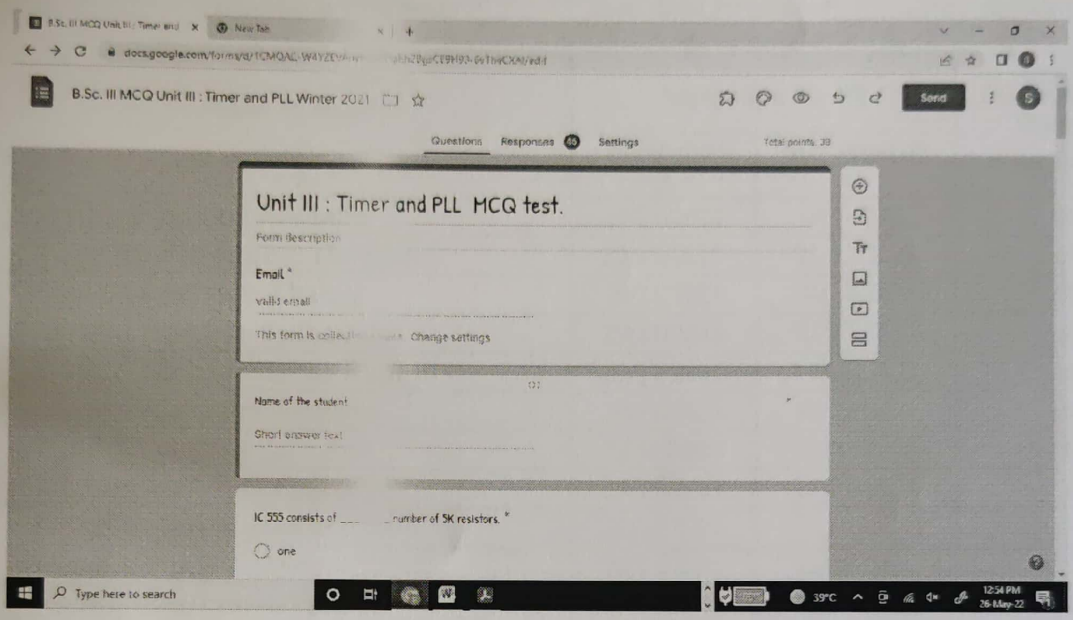



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## Department of Electronics
## Record of Online Unit Test and Google forms (2021-22)

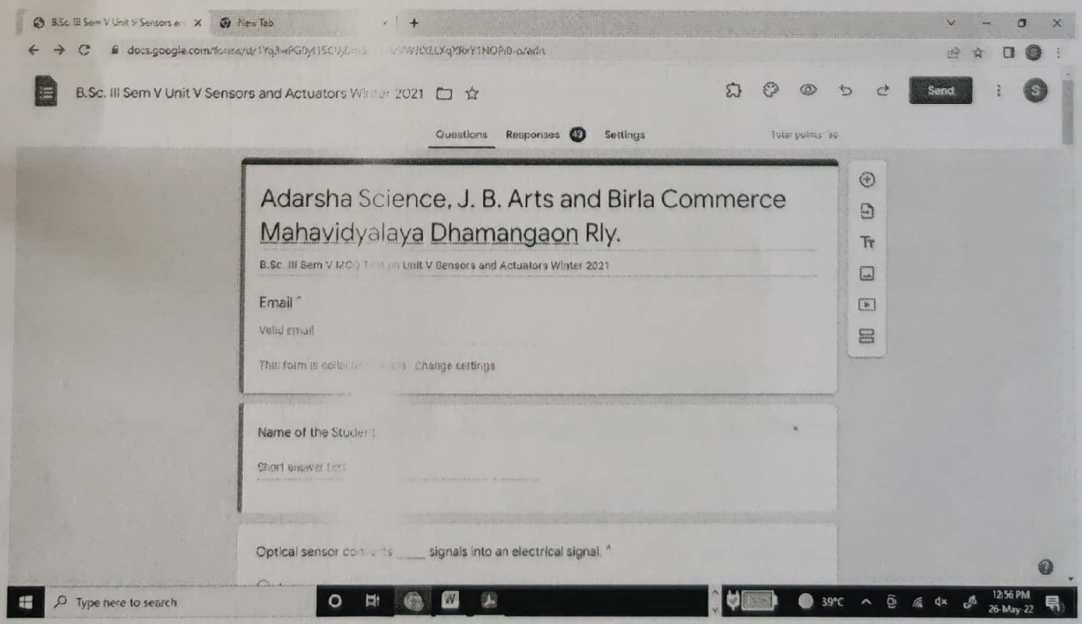
### B.Sc. III (Sem V) Unit Test I :Timer and PLL

**Google form link :https://forms.gle/DSotsoDoRG8XppcW6**




### B.Sc. III (Sem V) Unit Test II :Sensors and Actuators

**Google form link :https://forms.gle/PJtKWFTiQWYv5THN8**




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## SantGadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks(2021-22)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya,Dhamangaon Rly.**
Class : **B.Sc. Part I (Semester-I)**
Subject : **ELECTRONICS**
Paper (with title) : **1S-Electronics (Basics of Electronics)**
Name of the Teacher(s) : **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks Obtained | | Total Max.Marks :-20 |
|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 08 | Unit tests Max.Marks :- 12 | |
| | 1 | 2 | 3 | 6 | 7 |
| 1 | 21AB110472 | AbhayVilasrao Gawande | 08 | 12 | 20 |
| 2 | 21AB110477 | Akansha Prakashrao Deogade | 08 | 12 | 20 |
| 3 | 21AB110479 | Anushka Jaysing Thakur | 08 | 12 | 20 |
| 4 | 21AB110488 | Gayatri Baburao Jadhav | 08 | 12 | 20 |
| 5 | 21AB110489 | Gayatri Moreshwarrao Raut | 08 | 12 | 20 |
| 6 | 21AB110492 | Gayatri Ravindra Mehatre | 08 | 12 | 20 |
| 7 | 21AB110495 | Jay Pradip Hore | 08 | 10 | 18 |
| 8 | 21AB110498 | Khushwant Vijay Gajbhiye | 08 | 07 | 15 |
| 9 | 21AB110502 | Kunal Rajesh Kelatkar | 00 | 00 | 00 |
| 10 | 21AB110506 | Minal Bhojraj Nikhar | 08 | 12 | 20 |
| 11 | 21AB110508 | Naval NarendraraoTondare | 08 | 12 | 20 |
| 12 | 21AB110512 | Nikita SanjayraoUtale | 08 | 12 | 20 |
| 13 | 21AB110514 | Om KisanraoBhoyar | 08 | 12 | 20 |
| 14 | 21AB110522 | Prashant Ratnakar Arekar | 08 | 12 | 20 |
| 15 | 21AB110523 | Prashik Dnyaneshwarrao Chavhan | 08 | 12 | 20 |
| 16 | 21AB110524 | Prathmesh Rajendrarao Gajbhiye | 00 | 12 | 12 |
| 17 | 21AB110525 | Pratik Diliprao Golit | 08 | 12 | 20 |
| 18 | 21AB110527 | Pratiksha Narendra Vyawahare | 08 | 12 | 20 |
| 19 | 21AB110528 | Pratiksha Sunilrao Ghavat | 08 | 12 | 20 |
| 20 | 21AB110529 | Puja Arunrao Nachankar | 08 | 12 | 20 |
| 21 | 21AB110530 | Rajashree Vijayr Tarare | 08 | 12 | 20 |
| 22 | 21AB110531 | Rano Sanjaysingh Thakur | 08 | 12 | 20 |
| 23 | 21AB110533 | Ritesh Pramodrao Alone | 00 | 12 | 12 |
| 24 | 21AB110539 | Rushikesh Shankarrao Khadse | 08 | 12 | 20 |

Name and Signature of Teacher/s **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D :
Date:18/01/2022

Principal

PRINCIPAL

**Note :**This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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## SantGadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks(2020-21)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
Class : **B.Sc. Part I (Semester-I)**
Subject : **ELECTRONICS**
Paper (with title) : **1S-Electronics (Basics of Electronics)**
Name of the Teacher(s) : **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks Obtained | | Total Max.Marks :- 20 |
|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 08 | Unit tests Max.Marks :- 12 | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 25 | 21AB110123 | Sakshi Pavan Zatale | 08 | 10 | 18 |
| 26 | 21AB110547 | Samiksha Santoshrao Gawande | 08 | 12 | 20 |
| 27 | 21AB110552 | Saniya Ratan Jaiswal | 08 | 12 | 20 |
| 28 | 21AB110557 | Shatanand Amol Hiwarkar | 00 | 07 | 07 |
| 29 | 21AB110558 | Shraddha Gopalrao Malode | 08 | 12 | 20 |
| 30 | 21AB110563 | Shruti Ganeshrao Raut | 08 | 12 | 20 |
| 31 | 21AB110567 | Snehal Rajendra Chaudhari | 08 | 12 | 20 |
| 32 | 21AB110573 | Tejas Dilip Jolhe | 08 | 12 | 20 |
| 33 | 21AB110576 | Tejasvani Sunil Chavhan | 08 | 12 | 20 |
| 34 | 21AB110582 | Vaishnavi Suresh Kale | 08 | 12 | 20 |
| 35 | 21AB110584 | Vedant Prabhakarrao Dhok | 08 | 12 | 20 |

Name and Signature of Teacher/s **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D :
Date:18/01/2022

Principal

PRINCIPAL
Adarsha Science J.B. Arts
Birla Comm. Mahavidyalaya

**Note :**This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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# Sant Gadge Baba Amravati University, Amravati

## Consolidated Record of Internal Assessment Marks (2021-22)

Name of the College :Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Class : B.Sc.Part II (Sem-III)
Subject : Electronics
Paper : 3S-Electronics (Electronics devices and Circuits)
Name of the Teacher(s) :1) Dr. S. A. Rodge 2) Mr. S. K. Shelke
Designation : Associate Professor Assistant Professor

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Seminar Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 1 | 21AB310674 | Aditya Sharad Mundafale | 00 | 04 | 10 | 14 |
| 2 | 21AB310677 | Akansha Avinash Mahalle | 06 | 04 | 10 | 20 |
| 3 | 21AB310678 | Amatulla Quizar Husain Bohra | 06 | 04 | 10 | 20 |
| 4 | 21AB310679 | Amisha Dipakrao Patankar | 06 | 04 | 10 | 20 |
| 5 | 21AB310680 | Amit Narendrarao Hande | 00 | 04 | 10 | 14 |
| 6 | 21AB310682 | Ankita Narpatsing Rajpurohit | 00 | 04 | 05 | 09 |
| 7 | 21AB310686 | Anurag Vinod Choube | 06 | 04 | 10 | 20 |
| 8 | 21AB310690 | AtishVijayrao Sute | 06 | 04 | 10 | 20 |
| 9 | 21AB310692 | Bhushan Arunrao Amale | 00 | 04 | 00 | 04 |
| 10 | 21AB310695 | Chetan Sandiprao Gurad | 00 | 04 | 10 | 14 |
| 11 | 21AB310698 | Dipali Prakash Khandare | 06 | 04 | 10 | 20 |
| 12 | 21AB310699 | Gauri Brijpalsingh Thakur | 06 | 04 | 10 | 20 |
| 13 | 21AB310703 | Harshada Prashant Patil | 06 | 04 | 10 | 20 |
| 14 | 21AB310704 | Harshada Ravindra Pakhale | 00 | 04 | 10 | 14 |
| 15 | 21AB310706 | Janhvi Sanjay Verulkar | 00 | 04 | 10 | 14 |
| 16 | 21AB310705 | Jash Vijay Kambale | 00 | 04 | 10 | 14 |
| 17 | 21AB310707 | Jay Prakash Shende | 00 | 04 | 10 | 14 |
| 18 | 21AB310708 | Kalyani Pradiprao Shirbhate | 06 | 04 | 10 | 20 |
| 19 | 21AB310709 | Kanchan Prafulrao Chandure | 06 | 04 | 10 | 20 |
| 20 | 21AB310710 | Kartik Pradiprao More | 00 | 04 | 10 | 14 |
| 21 | 21AB310713 | Madhavi Pramodrao Dabhade | 06 | 04 | 10 | 20 |
| 22 | 21AB310714 | Mayuri Prakashrao Raut | 00 | 04 | 10 | 14 |
| 23 | 21AB310718 | Namdeo Gajanan Madavi | 00 | 04 | 00 | 04 |

Name and Signature of Teacher: 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke

Verified

Signature of H.O.D.
Date:17/01/2022

Principal
PRINCIPAL

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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# Sant Gadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks (Winter 2021)

Name of the College :**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya, DhamangaonRly.**
Class : **B.Sc.Part II (Sem-III)**
Subject : **Electronics**
Paper : **3S-Electronics (Electronics devices and Circuits)**
Name of the Teacher(s) :**1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Seminar Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 24 | 21AB310725 | Pratik Rameshrao Sarode | 00 | 04 | 10 | 14 |
| 25 | 21AB310727 | Pravina Gajanan Pawar | 06 | 04 | 10 | 20 |
| 26 | 21AB310728 | Priyanka Dipak Motghare | 06 | 04 | 10 | 20 |
| 27 | 21AB310746 | Sanket KishorraoDhemre | 00 | 04 | 10 | 14 |
| 28 | 21AB310749 | Shital Digambar Rajankar | 06 | 04 | 10 | 20 |
| 29 | 21AB310751 | Shivani Bhanudasji Nachankar | 00 | 04 | 00 | 04 |
| 30 | 21AB310752 | Shivani Nilkanth Chaudhari | 06 | 04 | 10 | 20 |
| 31 | 21AB310756 | Shruti Narendrarao Sangode | 06 | 04 | 10 | 20 |
| 32 | 21AB310757 | Shruti Rajendra Lakde | 06 | 04 | 10 | 20 |
| 33 | 21AB310759 | Snehal Arunrao Nandane | 00 | 04 | 00 | 04 |
| 34 | 21ab310761 | Snehal Narayanrao Gulhane | 00 | 04 | 10 | 14 |
| 35 | 21AB310762 | Snehal Rajesh Nagrale | 00 | 04 | 10 | 14 |
| 36 | 21AB310764 | Sumit Gajananrao Gotefode | 06 | 04 | 10 | 20 |
| 37 | 21AB310765 | Suvarna Giridhar Kashte | 00 | 04 | 10 | 14 |
| 38 | 21AB 310770 | Unnati Pundlikrao Pande | 00 | 04 | 10 | 14 |
| 39 | 21AB310775 | Vaishnavi Vilasrao Panbude | 06 | 04 | 10 | 20 |
| 40 | 21AB310776 | Vedant Manohar Yelkar | 00 | 04 | 10 | 14 |
| 41 | 21AB310777 | Vedanti Vilas Chandan | 00 | 04 | 10 | 14 |
| 42 | 21AB310778 | Vipin Pramod Dhepe | 06 | 04 | 10 | 20 |
| 43 | 21AB310780 | Yash Haribhau Dhadse | 00 | 04 | 10 | 14 |

Name and Signature of Teacher: **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D.
Date:17/01/2022

Principal

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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## Sant Gadge Baba Amravati University, Amravati

## Consolidated Record of Internal Assessment Marks (2021-22)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
Class : **B.Sc. Part III (Semester-V)**
Subject : **ELECTRONICS** Paper (with title) : **5S-Electronics (Measuring Instruments)**
Name of the Teacher(s) :**1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Seminar Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 1 | 21AB510546 | AKANKSHA R. BHUJBAL | 06 | 04 | 10 | 20 |
| 2 | 21AB510549 | AKSHAY B. LAWANKAR | 06 | 04 | 10 | 20 |
| 3 | 21AB510550 | ALFIYA Y. SHAHA | 06 | 04 | 10 | 20 |
| 4 | 21AB510552 | AMRUTA M. TINKHEDE | 06 | 04 | 10 | 20 |
| 5 | 21AB510558 | ANKITA D. HIWARKAR | 06 | 04 | 10 | 20 |
| 6 | 21AB510560 | ASHLESHA R. WALKE | 06 | 04 | 10 | 20 |
| 7 | 21AB510564 | ATHARVA A. DESHPANDE | 06 | 04 | 10 | 20 |
| 8 | 21AB510570 | CHANCAL B. NIKHAR | 06 | 04 | 10 | 20 |
| 9 | 21AB510575 | DISHA A. KACHAVE | 06 | 04 | 10 | 20 |
| 10 | 21AB510580 | GOPAL S. PAWASE | 06 | 04 | 10 | 20 |
| 11 | 21AB510582 | KARTIKA K. KADU | 06 | 04 | 10 | 20 |
| 12 | 21AB510554 | KOMAL P. VELUKAR | 06 | 04 | 10 | 20 |
| 13 | 21AB510589 | LEKHA C. KOTHARI | 06 | 04 | 10 | 20 |
| 14 | 21AB510593 | MONALI R. THAKARE | 06 | 04 | 10 | 20 |
| 15 | 21AB510584 | MRUNAL G. PUNWATKAR | 06 | 04 | 10 | 20 |
| 16 | 21AB510588 | NUTAN P. LAMKASE | 06 | 04 | 10 | 20 |
| 17 | 21AB510594 | OMPRAKASH G.TAYADE | 06 | 04 | 10 | 20 |
| 18 | 21AB510599 | PAYAL C. TAPARE | 06 | 04 | 10 | 20 |
| 19 | 21AB510602 | PRAJAKTA G. KADU | 06 | 04 | 10 | 20 |
| 20 | 21AB510603 | PRAJWAL J. PATIL | 06 | 04 | 10 | 20 |
| 21 | 21AB510604 | PRAJWAL S. SAWALKAR | 06 | 04 | 10 | 20 |
| 22 | 21AB510606 | PRAJYOT M. PAHADE | 00 | 04 | 10 | 14 |
| 23 | 21AB510607 | PRATIK G. KALSAIT | 00 | 00 | 10 | 10 |

Name and Signature of Teacher: **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D.
Date:17/01/2022

Principal

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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# Sant Gadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks (Winter 2021)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
Class : **B.Sc. Part III (Semester-V)**
Subject : **ELECTRONICS** Paper (with title) : **5S-Electronics (Measuring Instruments)**
Name of the Teacher(s) :**1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Seminar Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 24 | 21AB510610 | PRITAM P. INGOLE | 06 | 04 | 10 | 20 |
| 25 | 21AB510612 | PUNAM R. KALE | 06 | 04 | 10 | 20 |
| 26 | 21AB510613 | RAJASHRI R. LAD | 06 | 04 | 10 | 20 |
| 27 | 21AB510615 | RUSHIKESH P. NANDESHWAR | 00 | 04 | 10 | 14 |
| 28 | 21AB510618 | SAKSHI H. DHOLE | 06 | 04 | 10 | 20 |
| 29 | 21AB510620 | SAKSHI N. MANKAR | 06 | 04 | 10 | 20 |
| 30 | 21AB510622 | SAKSHI R. THAKARE | 06 | 04 | 10 | 20 |
| 31 | 21AB510623 | SAKSHI S. RAJGURE | 06 | 04 | 10 | 20 |
| 32 | 21AB510624 | SAKSHI S. PALIWAL | 06 | 04 | 10 | 20 |
| 33 | 21AB510630 | SHREYA R. TALE | 06 | 04 | 10 | 20 |
| 34 | 21AB510637 | SHWETA H. BAWANGADE | 06 | 04 | 10 | 20 |
| 35 | 21AB510641 | SONAL S. TAKSANDE | 06 | 04 | 10 | 20 |
| 36 | 21AB510642 | SWAPNIL S. PATALIYA | 06 | 04 | 10 | 20 |
| 37 | 21AB510643 | TANVI C. METE | 06 | 04 | 10 | 20 |
| 38 | 21AB510644 | TANVI V. GORDE | 06 | 04 | 10 | 20 |
| 39 | 21AB510645 | TEJAL N. HANDE | 06 | 04 | 10 | 20 |
| 40 | 21AB510648 | VASHNAVI K. RONGHE | 06 | 04 | 10 | 20 |
| 41 | 21AB510649 | VAISHNAVI K. JADHAV | 06 | 04 | 10 | 20 |
| 42 | 21AB510652 | VALLARI A. HIWARKAR | 06 | 04 | 10 | 20 |
| 43 | 21AB510653 | VEDIKA G. MANKAR | 06 | 04 | 10 | 20 |

Name and Signature of Teacher: **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D.
Date:17/01/2022

Principal

PRINCIPAL

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERECE MAHAVIDYALAYA, DHAMANGAON RLY.**

**Department of Electronics**

# NOTICE

All the students of B.Sc. II, III are hereby informed that they should submit **Project Assignment** on or before **16/04/2022**. Project Assignment submission is mandatory for Internal Assessment marks.

**Note :**

- Project Assignment topic is based on latest development in **Electronics**.
- Write given Project Assignment (150- 200 words) on the A4 size pages or Print outs will also accept.

**Date : 30/03/2022**

**Dr. S. A. Rodge**
Head, Dept. of Electronics

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**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERECE MAHAVIDYALAYA, DHAMANGAON RLY.**

## Department of Electronics

## NOTICE

All the students of B.Sc. I Sem II are hereby informed that they should submit following Assignment on or before **09/04/2022**. Assignment submission is mandatory for Internal Assessment marks.

**Assignment I :**

1. Explain Binary number System. 5 M
2. Explain Octal number system. 5 M
3. Explain Hexadecimal number system. 5 M
4. State the advantages of Binary subtraction and explain the 1'S and2'S Complement method of subtraction. 5 M
5. Draw neat logic diagram of binary full adder and explain its working. 5 M
6. Explain the working of 4-bit Binary full Adder. 5 M
7. Convert $(25.15)_{10} = (\ ?\ )_2 = (\ ?\ )_8 = (\ ?\ )_{16}$ 6 M
8. Convert $(10110110)_2 = (\ ?\ )_8 = (\ ?\ )_{16}$ 4 M
9. Convert $(111101)_2 = (\ ?\ )_{Gray}$ 2 M
10. Convert $(10101)_2 = (\ ?\ )_{Excess\ 3}$ 2 M

**Note :**

- All the questions are compulsory.
- Write given Assignment on the (30/50) page register i.e. Assignment book and submit to the department.

Date : 30/03/2022

**Dr. S. A. Rodge**
Head, Dept. of Electronics

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**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERECE MAHAVIDYALAYA, DHAMANGAON RLY.**

## Department of Electronics

## NOTICE

All the students of B.Sc. I, II and III are hereby informed that Unit tests are scheduled as per following timetable. It is mandatory for Internal Assessment marks.

| Class | Date | Time | Unit |
|---|---|---|---|
| **B.Sc. I** | 07/04/2022 | 10:30 PM to 11:30 PM | Unit I : Binary Arithmetic and Logic Gates |
| **B.Sc. II** | 01/04/2022 | 2:00 PM to 3:00 PM | Unit IV : Architecture and Timing of 8085 Microprocessor |
| **B.Sc. III** | 07/03/2022 | 2:00 PM to 3:00 PM | Unit I : 8086 Architecture |
| **B.Sc. I** | 27/04/2022 | 1:00 PM to 2:00 PM | Unit II : Boolean Algebra and Logic Families |
| **B.Sc. II** | 22/04/2022 | 2:00 PM to 3:00 PM | Unit V : Instruction and Programming of 8085 Microprocessor |
| **B.Sc. III** | 05/04/2022 | 2:00 PM to 3:00 PM | Unit II : 8086 Instruction Set and Programming |

Sdgs

Date : 04/03/2022

**Dr. S. A. Rodge**
Head, Dept. of Electronics

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**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERECE MAHAVIDYALAYA, DHAMANGAON RLY.**

## Department of Electronics

## NOTICE

All the students of B.Sc. I, II and III are hereby informed that Unit tests are scheduled as per following timetable. It is mandatory for Internal Assessment marks.

| Class | Date | Time | Unit |
|---|---|---|---|
| **B.Sc. I** | 07/04/2022 | 10:30 PM to 11:30 PM | Unit I : Binary Arithmetic and Logic Gates |
| **B.Sc. II** | 01/04/2022 | 2:00 PM to 3:00 PM | Unit IV : Architecture and Timing of 8085 Microprocessor |
| **B.Sc. III** | 07/03/2022 | 2:00 PM to 3:00 PM | Unit I : 8086 Architecture |
| **B.Sc. I** | 27/04/2022 | 1:00 PM to 2:00 PM | Unit II : Boolean Algebra and Logic Families |
| **B.Sc. II** | 22/04/2022 | 2:00 PM to 3:00 PM | Unit V : Instruction and Programming of 8085 Microprocessor |
| **B.Sc. III** | 05/04/2022 | 2:00 PM to 3:00 PM | Unit II : 8086 Instruction Set and Programming |

Date : 04/03/2022

**Dr. S. A. Rodge**
Head, Dept. of Electronics

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Electronics**

**B.Sc. I ( Sem II)**

**Unit Test : Unit I (Binary Arithmetic and Logic gates)**

**(2021-2022)**

**Time : 1 Hour** **Marks : 30**

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**Note : Attempt any five of the following.**

1. Explain Binary number system with example. 6 M
2. Explain Decimal number system with example. 6 M
3. Explain Octal number system with example. 6 M
4. Explain Hexadecimal number system with example. 6 M
5. Explain the working of 4-bit Binary full Adder. 6 M
6. Draw neat logic diagram of binary full adder and explain its working. 6 M
7. Explain 1's and 2's complement method with suitable examples. 6 M

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Electronics**

**B.Sc. II ( Sem IV)**

**Unit Test : Unit IV (Architecture and Timing of 8085 Microprocessor)**

**(2021-2022)**

**Time : 1 Hour** **Marks : 30**

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**Note : Attempt any five of the following.**

1. Explain Evolution of Microprocessor. 6 M
2. Draw and Explain block diagram of Microcomputer. 6 M
3. Explain the architecture of 8085 Microprocessor. 6 M
4. Draw the pin diagram of 8085 Microprocessor and explain any four pin. 6 M
5. Explain the instruction format of 8085 Microprocessor with suitable example. 6 M
6. Explain Instruction cycle and Fetch Cycle. 6 M
7. Draw and Explain the timing diagram of MOV instruction. 6 M

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Electronics**

**B.Sc. III ( SemVI)**

**Unit Test : Unit I (8086 Architecture)**

**(2021-2022)**

**Time : 1 Hour** **Marks : 30**

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**Note : Attempt any five of the following.**

1. Draw and explain the architecture of 8086 Microprocessor. 6 M
2. Explain the role of BIU and EU of 8086 Microprocessor. 6 M
3. Explain the operating modes of 8086 Microprocessor. 6 M
4. Explain the memory segmentation of 8086 Microprocessor. 6 M
5. Explain the flag register of 8086 Microprocessor. 6 M
6. Draw the pin diagram and explain any four pins of 8086 Microprocessor. 6 M
7. Explain the General purpose, Pointer and index register of 8086 Microprocessor. 6 M

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Electronics**

**B.Sc. I ( Sem II)**

**Unit Test : Unit II (Boolean Algebra and Logic Families)**

**(2021-2022)**

**Time : 1 Hour** **Marks : 30**

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**Note : Attempt any five of the following.**

1. Explain Boolean any six Boolean laws. 6 M
2. Explain any one De-Morgan's Theorem. 6 M
3. Explain 4- variable K-map with suitable example. 6 M
4. Gives the classification of logic families with suitable example. 6 M
5. Explain Fan-in, Fan-out, Noise immunity characteristics of logic families. 6 M
6. Explain Propagation delay, Power dissipation characteristics of logic families. 6 M
7. Explain the construction and working of TTL NAND gate. 6 M

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Electronics**

**B.Sc. II ( Sem IV)**

**Unit Test : Unit V (Instruction and Programming of 8085 Microprocessor)**

**(2021-2022)**

**Time : 1 Hour** **Marks : 30**

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**Note : Attempt any five of the following.**

1. Explain Addressing modes of 8085 Microprocessor with suitable example. 6 M
2. Gives the classification of Instruction set of 8085 Microprocessor with example. 6 M
3. Explain arithmetic and logical group of Instruction set of 8085 Microprocessor. 6 M
4. Explain PUSH and POP instruction with suitable example. 6 M
5. Explain CALL and RET instruction with suitable example. 6 M
6. Explain delay subroutine using register pair. 6 M
7. Explain Algorithm and flowchart. 6 M

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Electronics**

**B.Sc. III ( Sem VI)**

**Unit Test : Unit II (8086 Instruction Set and Programming)**

**(2021-2022)**

**Time : 1 Hour** **Marks : 30**

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**Note : Attempt any five of the following.**

1. Explain the instruction set of 8086 Microprocessor. 6 M
2. Explain arithmetic and logical instruction set with example. 6 M
3. Explain all the data transfer group instruction with example. 6 M
4. Explain the addressing modes of 8086 Microprocessor with example. 6 M
5. Explain the Direct and register indirect addressing modes of 8086 Microprocessor with example. 6 M
6. Explain the Register, based, index addressing modes of 8086 Microprocessor with ex. 6 M

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# SantGadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks(2021-22)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya,Dhamangaon Rly.**
Class : **B.Sc. Part I (Semester-II)**
Subject : **ELECTRONICS**
Paper (with title) : **2S-Electronics (Digital Electronics)**
Name of the Teacher(s) : **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks Obtained | | Total Max.Marks :-20 |
|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 08 | Unit tests Max.Marks :- 12 | |
| | 1 | 2 | 3 | 6 | 7 |
| 1 | | Abhay Vilasrao Gawande | 08 | 12 | 20 |
| 2 | | Akansha Prakashrao Deogade | 08 | 12 | 20 |
| 3 | | Anushka Jaysing Thakur | 08 | 12 | 20 |
| 4 | | Gayatri Baburao Jadhav | 08 | 12 | 20 |
| 5 | | Gayatri Moreshwarrao Raut | 08 | 12 | 20 |
| 6 | | Gayatri Ravindra Mehatre | 08 | 12 | 20 |
| 7 | | Jay Pradip Hore | 08 | 10 | 18 |
| 8 | | Khushwant Vijay Gajbhiye | 08 | 07 | 15 |
| 9 | | Kunal Rajesh Kelatkar | 08 | 07 | 15 |
| 10 | | Minal Bhojraj Nikhar | 08 | 12 | 20 |
| 11 | | Naval Narendrarao Tondare | 08 | 10 | 18 |
| 12 | | Nikita Sanjayrao Utale | 08 | 12 | 20 |
| 13 | | Om Kisanrao Bhoyar | 08 | 12 | 20 |
| 14 | | Prashant Ratnakar Arekar | 08 | 12 | 20 |
| 15 | | Prashik Dnyaneshwarrao Chavhan | 08 | 12 | 20 |
| 16 | | Prathmesh Rajendrarao Gajbhiye | 08 | 12 | 20 |
| 17 | | Pratik Diliprao Golit | 08 | 12 | 20 |
| 18 | | Pratiksha Narendra Vyawahare | 08 | 12 | 20 |
| 19 | | Pratiksha Sunilrao Ghavat | 08 | 12 | 20 |
| 20 | | Puja Arunrao Nachankar | 08 | 12 | 20 |
| 21 | | Rajashree Vijayr Tarare | 08 | 12 | 20 |
| 22 | | Rano Sanjaysingh Thakur | 08 | 12 | 20 |
| 23 | | Ritesh Pramodrao Alone | 08 | 10 | 18 |
| 24 | | Rushikesh Shankarrao Khadse | 08 | 07 | 15 |

Name and Signature of Teacher/s **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D :
Date:14 /05/2022

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly

Principal

**Note :**This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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# SantGadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks(2020-21)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
Class : **B.Sc. Part I (Semester-II)**
Subject : **ELECTRONICS**
Paper (with title) : **2S-Electronics (Digital Electronics)**
Name of the Teacher(s) : **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks Obtained | | Total Max.Marks :- 20 |
|---|---|---|---|---|---|
| | | | Assignment Max. Mark : 08 | Unit tests Max.Marks :- 12 | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 25 | | Sakshi Pavan Zatale | 08 | 12 | 20 |
| 26 | | Samiksha Santoshrao Gawande | 08 | 12 | 20 |
| 27 | | Saniya Ratan Jaiswal | 08 | 12 | 20 |
| 28 | | Shatanand Amol Hiwarkar | 08 | 07 | 15 |
| 29 | | Shraddha Gopalrao Malode | 08 | 12 | 20 |
| 30 | | Shruti Ganeshrao Raut | 08 | 12 | 20 |
| 31 | | Snehal Rajendra Chaudhari | 08 | 12 | 20 |
| 32 | | Tejas Dilip Jolhe | 08 | 12 | 20 |
| 33 | | Tejasvani Sunil Chavhan | 08 | 12 | 20 |
| 34 | | Vaishnavi Suresh Kale | 08 | 12 | 20 |
| 35 | | Vedant Prabhakarrao Dhok | 08 | 12 | 20 |

Name and Signature of Teacher/s **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Signature of H.O.D :
Date:14/05/2022

Verified

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

**Note :**This sheet shall be displayed on the notice Board before three weeks of commencement of the theory examination of that semester.

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## Sant Gadge Baba Amravati University, Amravati

## Consolidated Record of Internal Assessment Marks (2021-22)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
Class : **B.Sc. Part II (Semester-IV)**
Subject : **ELECTRONICS** Paper (with title) : **4S-Electronics**
**(Communication Electronics and Microprocessor 8085)**
Name of the Teacher : **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Group Discussion Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 1 | | AdityaSharadMundafale | 06 | 04 | 05 | 15 |
| 2 | | AkanshaAvinashMahalle | 06 | 04 | 10 | 20 |
| 3 | | AmatullaQuizar Husain Bohra | 06 | 04 | 10 | 20 |
| 4 | | AmishaDipakraoPatankar | 06 | 04 | 10 | 20 |
| 5 | | AmitNarendraraoHande | 06 | 04 | 10 | 20 |
| 6 | | AnkitaNarpatsingRajpurohit | 06 | 04 | 10 | 20 |
| 7 | | AnuragVinodChoube | 06 | 04 | 10 | 20 |
| 8 | | AtishVijayraoSute | 06 | 04 | 10 | 20 |
| 9 | | BhushanArunraoAmale | 06 | 04 | 05 | 15 |
| 10 | | ChetanSandipraoGurad | 06 | 04 | 10 | 20 |
| 11 | | DipaliPrakashKhandare | 06 | 04 | 10 | 20 |
| 12 | | GauriBrijpalsingh Thakur | 06 | 04 | 10 | 20 |
| 13 | | HarshadaPrashantPatil | 06 | 04 | 10 | 20 |
| 14 | | HarshadaRavindraPakhale | 06 | 04 | 05 | 15 |
| 15 | | Janhvi Sanjay Verulkar | 06 | 04 | 10 | 20 |
| 16 | | Jash Vijay Kambale | 06 | 04 | 10 | 20 |
| 17 | | Jay PrakashShende | 06 | 04 | 07 | 17 |
| 18 | | KalyaniPradipraoShirbhate | 06 | 04 | 10 | 20 |
| 19 | | KanchanPrafulraoChandure | 06 | 04 | 10 | 20 |
| 20 | | KartikPradiprao More | 06 | 04 | 10 | 20 |
| 21 | | MadhaviPramodraoDabhade | 06 | 04 | 10 | 20 |
| 22 | | MayuriPrakashraoRaut | 06 | 04 | 10 | 20 |
| 23 | | NamdeoGajananMadavi | 06 | 04 | 07 | 17 |

Name and Signature of Teacher: **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D.
Date:14/05/2022

Principal

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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## Sant Gadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks (Winter 2021)

Name of the College : **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
Class : **B.Sc. Part II (Semester-IV)**
Subject : **ELECTRONICS** Paper (with title) : **4S-Electronics**
**(Communication Electronics and Microprocessor 8085)**
Name of the Teacher : **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**
Designation : **Associate Professor** **Assistant Professor**

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Group Discussion Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 24 | | Pratik RameshraoSarode | 06 | 04 | 10 | 20 |
| 25 | | PravinaGajananPawar | 06 | 04 | 10 | 20 |
| 26 | | PriyankaDipakMotghare | 06 | 04 | 10 | 20 |
| 27 | | SanketKishorraoDhemre | 06 | 04 | 10 | 20 |
| 28 | | ShitalDigambarRajankar | 06 | 04 | 10 | 20 |
| 29 | | Shivani B.Nachankar | 06 | 04 | 05 | 15 |
| 30 | | ShivaniN.Chaudhari | 06 | 04 | 10 | 20 |
| 31 | | ShrutiN.Sangode | 06 | 04 | 10 | 20 |
| 32 | | ShrutiRajendraLakde | 06 | 04 | 10 | 20 |
| 33 | | SnehalArunraoNandane | 06 | 04 | 05 | 15 |
| 34 | | SnehalN.Gulhane | 06 | 04 | 10 | 20 |
| 35 | | Snehal Rajesh Nagrale | 06 | 04 | 10 | 20 |
| 36 | | SumitG.Gotefode | 06 | 04 | 10 | 20 |
| 37 | | SuvarnaGiridharKashte | 06 | 04 | 10 | 16 |
| 38 | | UnnatiPundlikraoPande | 06 | 04 | 05 | 15 |
| 39 | | Vaishnavi V.Panbude | 06 | 04 | 10 | 20 |
| 40 | | VedantManoharYelkar | 06 | 04 | 10 | 20 |
| 41 | | Vedanti Vilas Chandan | 06 | 04 | 05 | 15 |
| 42 | | VipinPramodDhepe | 06 | 04 | 10 | 20 |
| 43 | | YashHaribhauDhadse | 06 | 04 | 10 | 20 |

Name and Signature of Teacher: **1) Dr. S. A. Rodge** **2) Mr. S. K. Shelke**

Verified

Signature of H.O.D.
Date:14/05/2022

Principal
PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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## Sant Gadge Baba Amravati University, Amravati

## Consolidated Record of Internal Assessment Marks (2021-22)

Name of the College : Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Class : B.Sc. Part III (Semester-VI)
Subject : ELECTRONICS
Paper (with title) : 6S-Electronics (Advance Microprocessor and Microcontroller)
Name of the Teacher : 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke
Designation : Associate Professor Assistant Professor

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Group Discussion Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 1 | | AKANKSHA R. BHUJBAL | 06 | 04 | 10 | 20 |
| 2 | | AKSHAY B. LAWANKAR | 06 | 04 | 10 | 20 |
| 3 | | ALFIYA Y. SHAHA | 06 | 04 | 10 | 20 |
| 4 | | AMRUTA M. TINKHEDE | 06 | 04 | 10 | 20 |
| 5 | | ANKITA D. HIWARKAR | 06 | 04 | 10 | 20 |
| 6 | | ASHLESHA R. WALKE | 06 | 04 | 10 | 20 |
| 7 | | ATHARVA A. DESHPANDE | 06 | 04 | 10 | 20 |
| 8 | | CHANCAL B. NIKHAR | 06 | 04 | 10 | 20 |
| 9 | | DISHA A. KACHAVE | 06 | 04 | 10 | 20 |
| 10 | | GOPAL S. PAWASE | 06 | 04 | 10 | 20 |
| 11 | | KARTIKA K. KADU | 06 | 04 | 10 | 20 |
| 12 | | KOMAL P. VELUKAR | 06 | 04 | 10 | 20 |
| 13 | | LEKHA C. KOTHARI | 06 | 04 | 10 | 20 |
| 14 | | MONALI R. THAKARE | 06 | 04 | 10 | 20 |
| 15 | | MRUNAL G. PUNWATKAR | 06 | 04 | 10 | 20 |
| 16 | | NUTAN P. LAMKASE | 06 | 04 | 10 | 20 |
| 17 | | OMPRAKASH G.TAYADE | 06 | 04 | 10 | 20 |
| 18 | | PAYAL C. TAPARE | 06 | 04 | 10 | 20 |
| 19 | | PRAJAKTA G. KADU | 06 | 04 | 10 | 20 |
| 20 | | PRAJWAL J. PATIL | 06 | 04 | 10 | 20 |
| 21 | | PRAJWAL S. SAWALKAR | 06 | 04 | 10 | 20 |
| 22 | | PRAJYOT M. PAHADE | 06 | 04 | 10 | 20 |
| 23 | | PRATIK G. KALSAIT | 06 | 04 | 10 | 20 |

Name and Signature of Teacher: 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke

Verified

Signature of H.O.D.
Date:14/05/2022

PRINCIPAL
Adarsha Science, J.B. Arts
& Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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## Sant Gadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks (Summer 2022)

Name of the College : Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Class : B.Sc. Part III (Semester-VI)
Subject : ELECTRONICS
Paper (with title) : 6S-Electronics (Advance Microprocessor and Microcontroller)
Name of the Teacher : 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke
Designation : Associate Professor Assistant Professor

| Sr. No. | Roll No. | Name of Student | Marks obtained | | | Total Max.Marks :20 |
|---|---|---|---|---|---|---|
| | | | Group Discussion Max. Mark :06 | Project Assignment Max. Mark :04 | Unit tests Max.Marks :10 | |
| | 1 | 2 | 4 | 5 | 6 | 7 |
| 24 | | PRITAM P. INGOLE | 06 | 04 | 10 | 20 |
| 25 | | PUNAM R. KALE | 06 | 04 | 10 | 20 |
| 26 | | RAJASHRI R. LAD | 06 | 04 | 10 | 20 |
| 27 | | RUSHIKESH P. NANDESHWAR | 06 | 04 | 10 | 20 |
| 28 | | SAKSHI H. DHOLE | 06 | 04 | 10 | 20 |
| 29 | | SAKSHI N. MANKAR | 06 | 04 | 10 | 20 |
| 30 | | SAKSHI R. THAKARE | 06 | 04 | 10 | 20 |
| 31 | | SAKSHI S. RAJGURE | 06 | 04 | 10 | 20 |
| 32 | | SAKSHI S. PALIWAL | 06 | 04 | 10 | 20 |
| 33 | | SHREYA R. TALE | 06 | 04 | 10 | 20 |
| 34 | | SHWETA H. BAWANGADE | 06 | 04 | 10 | 20 |
| 35 | | SONAL S. TAKSANDE | 06 | 04 | 10 | 20 |
| 36 | | SWAPNIL S. PATALIYA | 06 | 04 | 10 | 20 |
| 37 | | TANVI C. METE | 06 | 04 | 10 | 20 |
| 38 | | TANVI V. GORDE | 06 | 04 | 10 | 20 |
| 39 | | TEJAL N. HANDE | 06 | 04 | 10 | 20 |
| 40 | | VASHNAVI K. RONGHE | 06 | 04 | 10 | 20 |
| 41 | | VAISHNAVI K. JADHAV | 06 | 04 | 10 | 20 |
| 42 | | VALLARI A. HIWARKAR | 06 | 04 | 10 | 20 |
| 43 | | VEDIKA G. MANKAR | 06 | 04 | 10 | 20 |

Name and Signature of Teacher: 1) Dr. S. A. Rodge 2) Mr. S. K. Shelke

Verified

Signature of H.O.D.
Date:14/05/2022

Principal
Adarsha Science, J.B. Arts & Birla Comm. Mahavidyalaya
Dhamangaon Rly.

Note:
(a) Every student shall have to submit one assignments based on the curriculum of the theory paper.
Illustration:- Suppose 20 students are on roll for Botany subject for B.Sc. Part-I and two/ three teachers are imparting the instructions for this paper. In this case 20 students may be divided in to two/ three groups (10/7) and be allotted to each teacher imparting instructions.
(b) Record of the internal assessment marks based on two assignments, shall be maintained by concerned teacher in the Proforma Appendix

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# SGB Amravati University, Amravati

## Consolidated Record of Internal Assessment Marks (2021-2022)

Name of College: - Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon (Rly.) Class:- B. Sc. III (Sem. V) Subject:- CHEMISTRY Paper:- CHEMISTRY

Name of the Teachers: - 1) Dr. S. V. Manohare
2) Dr. V. A. Sadafale
3) Dr. P. M. Keche
4) Dr. H.P. Mungse

Designation: -1) Assistant Professor
2) Assistant Professor
3) Assistant Professor
4) Assistant Professor

| Sr. No. | Name of student | Marks awarded | | | |
|---|---|---|---|---|---|
| | | Project Assignment | Study Tour/Seminar | Class Test | Total |
| | | Max. Marks = 04 | Max. Marks = 06 | Max. Marks = 10 | Max. Marks = 20 |
| 1 | Aastha Laxmanrao Wasnik | 04 | 06 | 10 | 20 |
| 2 | Achal Vijay Nagrikar | 04 | 06 | 10 | 20 |
| 3 | Akshata Arunrao Lokhande | 04 | 06 | 10 | 20 |
| 4 | Apeksha Shivdatta Garad | 04 | 06 | 10 | 20 |
| 5 | Ashwini Pramodrao Wankhade | 04 | 06 | 10 | 20 |
| 6 | Bhagyashri Vijayrao Wanjari | 04 | 06 | 10 | 20 |
| 7 | Diksha Shashikant Choube | 04 | 06 | 10 | 20 |
| 8 | Dinesh Narendra Dagwar | 04 | 06 | 10 | 20 |
| 9 | Divya Sunil Chauragade | 04 | 06 | 10 | 20 |
| 10 | Janavi Hemraj Titare | 04 | 06 | 07 | 17 |
| 11 | Kanchan Arvind Nyahare | 04 | 06 | 10 | 20 |
| 12 | Monali Nitinrao Bhure | 04 | 06 | 10 | 20 |
| 13 | Nikhita Gajanan Karangale | 04 | 06 | 10 | 20 |
| 14 | Palak Avinash Raut | 04 | 06 | 07 | 17 |
| 15 | Pallavi Dilipra Golait | 04 | 06 | 10 | 20 |
| 16 | Pallavi Gajanarao Chimurkar | 04 | 06 | 10 | 20 |
| 17 | Pratiksha Kishor Parteki | 04 | 00 | 10 | 14 |

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| | | | | | |
|---|---|---|---|---|---|
| 18 | Reena Rameshrao Khandare | 04 | 06 | 10 | 20 |
| 19 | Samiksha Gajanan Thor | 04 | 06 | 10 | 20 |
| 20 | Sejal Sudeshrao Arekar | 04 | 06 | 10 | 20 |
| 21 | Shivani Raju Bhalerao | 04 | 06 | 10 | 20 |
| 22 | Shraddha Dattaji Pinjari | 04 | 06 | 10 | 20 |
| 23 | Shrutika Arun Bhoyar | 04 | 06 | 10 | 20 |
| 24 | Siddhant Rajendrarao Dhokane | 04 | 06 | 10 | 20 |
| 25 | Sejal Babanrao Choudhari | 04 | 06 | 10 | 20 |
| 26 | Vaishnavi Laxmanrao Kardikar | 04 | 06 | 10 | 20 |
| 27 | Pradnya Manikrao Wasnik | 04 | 06 | 10 | 20 |
| 28 | Chanchal Gajendra Gawarle | 04 | 06 | 10 | 20 |
| 29 | Dineshwari Jitendra Shelar | 04 | 06 | 10 | 20 |
| 30 | Gauri Ashokrao Budhe | 04 | 06 | 10 | 20 |
| 31 | Gauri Dinesh Khandarkar | 04 | 06 | 10 | 20 |
| 32 | Gayatri Pramod Bante | 04 | 06 | 10 | 20 |
| 33 | Isha Vijay Unone | 04 | 06 | 10 | 20 |
| 34 | Nikita Rajabhau Ghavade | 04 | 06 | 10 | 20 |
| 35 | Pratiksha Gajanan Bhoyar | 04 | 06 | 10 | 20 |
| 36 | Priti Shankarrao Sultane | 04 | 06 | 10 | 20 |
| 37 | Sakshi Anil Nikam | 04 | 06 | 10 | 20 |
| 38 | Sakshi Manoj Shinde | 04 | 06 | 10 | 20 |
| 39 | Sakshi Rajendra Shrirame | 04 | 06 | 10 | 20 |
| 40 | Sakshi Vitthal Pole | 04 | 06 | 10 | 20 |
| 41 | Shreya Vinodrao Kandalkar | 04 | 06 | 10 | 20 |
| 42 | Shweta B. Kale | 04 | 06 | 10 | 20 |
| 43 | Sonal P. Parkhande | 04 | 06 | 10 | 20 |
| 44 | Achal Sharadrao Jagtap | 04 | 06 | 10 | 20 |
| 45 | Akansha Dineshrao Gawande | 04 | 06 | 10 | 20 |
| 46 | Arpita Sunil Kadu | 04 | 06 | 10 | 20 |
| 47 | Bhagyashree A. Waghade | 04 | 06 | 10 | 20 |
| 48 | Bhairavi Pradip Gandole | 04 | 06 | 10 | 20 |
| 49 | Chhaya Ramdasji Dandare | 04 | 06 | 10 | 20 |

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|---|---|---|---|---|---|
| 50 | Pooja Dilipraq Chakole | 04 | 06 | 10 | 20 |
| 51 | Sakshi Banduji Malode | 04 | 06 | 10 | 20 |
| 52 | Trupti S. Meshram | 04 | 06 | 10 | 20 |
| 53 | Vaishnavi D. Waghade | 04 | 06 | 10 | 20 |
| 54 | Vaishnavi R. Kalsarpe | 04 | 06 | 10 | 20 |
| 55 | Yogita I. Jambhulkar | 04 | 06 | 00 | 10 |
| 56 | Pratik Randale | 00 | 00 | 00 | 00 |
| | **Total** | **220** | **324** | **534** | **1078** |

Name and Signature of Teachers

1) Dr. S. V. Manohare
2) Dr. V. A. Sadafale
3) Dr. P. M. Keche
4) Dr. H. P. Mungse

Date: 20/01/2022

Verified.
Principal
Adarsha Science
Jaikumdas Bhagchand Arts
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

Signature of H.O.D
Head
Department Of Chemistry
Adarsha Science,J.B. Arts & Birla
Commerce Mahavidyalaya.
Dhamangaon Rly.

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**Sant Gadge Baba Amravati University, Amravati**

**Consolidated Record of Internal Assessment Marks (2021-2022)**

**Name of College: Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Class- B. Sc. III (Sem VI)** Subject – **Chemistry** Paper (with Title) – **Chemistry**

Name of the Teacher – 1) Dr. S. V. Manohare Designation: 1) Assistant Professor

2) Dr. V. A. Sadafale 2) Assistant Professor

| Sr. No | Name of the Student | Roll Number | Marks awarded | | | |
|---|---|---|---|---|---|---|
| | | | Project Assignment | Seminar/Industrial Visit | Class Test | Total |
| | | | Max. Marks=04 | Max. Marks=06 | Max. Marks=10 | Max. Marks=20 |
| 1. | Aastha Laxmanrao Wasnik | | 04 | 06 | 10 | 20 |
| 2. | Achal Vijay Nagrikar | | 04 | 06 | 10 | 20 |
| 3. | Akshata Arunrao Lokhande | | 04 | 06 | 10 | 20 |
| 4. | Apeksha Shivdatta Garad | | 04 | 06 | 10 | 20 |
| 5. | Ashwini Pramodrao Wankhade | | 04 | 06 | 10 | 20 |
| 6. | Bhagyashri Vijayrao Wanjari | | 04 | 06 | 10 | 20 |
| 7. | Diksha Shashikant Choube | | 04 | 06 | 10 | 20 |
| 8. | Dinesh Narendra Dagwar | | 04 | 06 | 10 | 20 |
| 9. | Divya Sunil Chauragade | | 04 | 06 | 10 | 20 |
| 10. | Janavi Hemrajji Titare | | 04 | 06 | 10 | 20 |
| 11. | Kanchan Arvind Nyahare | | 04 | 06 | 10 | 20 |
| 12. | Monali Nitinrao Bhure | | 04 | 06 | 10 | 20 |
| 13. | Nikhita Gajanan Karangale | | 04 | 06 | 10 | 20 |
| 14. | Palak Avinash Raut | | 04 | 06 | 10 | 20 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 15. | Pallavi Diliprao Golait | | 04 | 06 | 10 | 20 |
| 16. | Pallavi Gajananrao Chimurkar | | 04 | 06 | 10 | 20 |
| 17. | Pratiksha Kishor Darteki | | 04 | 06 | 10 | 20 |
| 18. | Reena Rameshrao Khandare | | 04 | 06 | 10 | 20 |
| 19. | Samiksha Gajanan Thor | | 04 | 06 | 10 | 20 |
| 20. | Sejal Sudeshrao Arekar | | 04 | 06 | 10 | 20 |
| 21. | Shivani Raju Bhalerao | | 04 | 06 | 10 | 20 |
| 22. | Shraddha Dattaji Finjari | | 04 | 06 | 10 | 20 |
| 23. | Shrutika Arun Bhoyar | | 04 | 06 | 07 | 17 |
| 24. | Siddhant Rajendrarao Dhokane | | 04 | 06 | 10 | 20 |
| 25. | Sujal Babanrao Choudhari | | 04 | 06 | 10 | 20 |
| 26. | Vaishnavi Laxmanrao Kardikar | | 04 | 06 | 10 | 20 |
| 27. | Pradnya Manikrao Wasnik | | 04 | 06 | 10 | 20 |
| 28. | Chanchal Gajendra Gawarle | | 04 | 06 | 10 | 20 |
| 29. | Dineshwari Jitendra Shelar | | 04 | 06 | 10 | 08 |
| 30. | Gauri Ashokrao Budhe | | 04 | 06 | 10 | 20 |
| 31. | Gauri Dinesh Khandarkar | | 04 | 06 | 10 | 20 |
| 32. | Gayatri Pramod Bante | | 04 | 06 | 10 | 00 |
| 33. | Isha Vijay Unone | | 04 | 06 | 10 | 20 |
| 34. | Nikita Rajabhau Ghavade | | 04 | 06 | 10 | 20 |
| 35. | Pratiksha Gajanan Bhoyar | | 04 | 06 | 10 | 20 |
| 36. | Priti Shankarrao Sultane | | 04 | 06 | 10 | 20 |
| 37. | Sakshi Anil Nikam | | 04 | 06 | 10 | 20 |
| 38. | Sakshi Manoj Shinde | | 04 | 06 | 10 | 20 |
| 39. | Sakshi Rajendra Shrirame | | 04 | 06 | 10 | 20 |
| 40. | Sakshi Vitthal Pole | | 04 | 06 | 10 | 00 |
| 41. | Shreya Vinodrao Kandalkar | | 04 | 06 | 10 | 20 |
| 42. | Shweta Brahmanand Kale | | 04 | 06 | 10 | 20 |
| 43. | Sonal Pramodrao Parkhande | | 04 | 06 | 10 | 20 |
| 44. | Achal Sharadrao Jagtap | | 04 | 06 | 10 | 20 |
| 45. | Akansha Dineshrao Gawande | | 04 | 06 | 10 | 20 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 46. | Arpita Sunil Kadu | | 04 | 06 | 10 | 20 |
| 47. | Bhagyashree Ashokrao Waghade | | 04 | 06 | 07 | 17 |
| 48. | Bhairavi Pradip Gandole | | 04 | 06 | 10 | 20 |
| 49. | Chhaya Ramdasji Dandare | | 04 | 06 | 10 | 20 |
| 50. | Pooja Diliprao Chakole | | 04 | 06 | 10 | 20 |
| 51. | Sakshi Banduji Malode | | 04 | 06 | 10 | 20 |
| 52. | Trupti Shuddhodhanrao Meshram | | 04 | 06 | 10 | 20 |
| 53. | Vaishnavi Dnyaneshwar | | 04 | 06 | 07 | 17 |
| 54. | Vaishnavi Raju Kalsarpe | | 04 | 06 | 07 | 17 |
| 55. | Yogita Ishwar Jambhulkar | | 00 | 00 | 00 | 00 |
| | | **Total** | **216** | **324** | **528** | **1068** |

Name and Signature of Teacher

1) Dr. S. V. Manohare

2) Dr. V. A. Sadafale

Date:23/05/2022

Signature of H.O.D
Head
Department Of Chemistry
Adarsha Science,J.S. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly.

Verified

Principal
Adarsha Science
Jahramdas Bhagchand Arts
Birla Commers Mahavidyalaya
DHAMANGAON Rly.

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Chemistry**

**Unit Test for Internal Assessment**

**B. Sc. III (Sem-VI)** **Date-11/04/2022**

**Max. Marks=30** **Time: 50 Mins**

**Q.1 A) Fill in the blanks:** **2M**

i) In exoergic reaction total mass of all reactants( $M_R$) is...than the total mass of all the products (Mp).

ii) . ....is an analytical procedure in which potential of galvanic cell is determined at various points during the titration process and equivalence point is determined graphically.

**B) Select the correct alternative.** **2M**

i) The number of nuclei of given mass number formed per nucleus of $^{235}U$ is called as ---.

a) Fission yield b) Quantum yield c) Percent yield d) Theoretical yield

ii) The branch of chemistry which deals with the inter conversion of chemical energy and electrical energy is called as

a) Nuclear chemistry b) Quantum chemistry c) Electrochemistry d) Photochemistry

**C) Answer in one sentence.** **2M**

a) Exoergic reaction b) Concentration cell

**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**

**Department of Chemistry**

**Unit Test for Internal Assessment**

**B. Sc. III (Sem-VI)** **Date-11/04/2022**

**Max. Marks=30** **Time: 50 Mins**

**Q.1 A) Fill in the blanks:** **2M**

i) In exoergic reaction total mass of all reactants( $M_R$) is...than the total mass of all the products (Mp).

ii) . ....is an analytical procedure in which potential of galvanic cell is determined at various points during the titration process and equivalence point is determined graphically.

**B) Select the correct alternative.** **2M**

i) The number of nuclei of given mass number formed per nucleus of $^{235}U$ is called as ---.

a) Fission yield b) Quantum yield c) Percent yield d) Theoretical yield

ii) The branch of chemistry which deals with the inter conversion of chemical energy and electrical energy is called as

a) Nuclear chemistry b) Quantum chemistry c) Electrochemistry d) Photochemistry

**C) Answer in one sentence.** **2M**

a) Exoergic reaction b) Concentration cell

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Q. 2 P) Distinguish between nuclear fission and nuclear fusion reaction. **4M**

Q) What is Q-value? How it is calculated? **4M**

R) Discuss the advantages and disadvantages of quinhydrone electrode. **4M OR**

Q. 3 A) Calculate the Q-value (in MeV) for the following nuclear reaction and state whether the reaction is exoergic or endoergic.

$$^{12}_{6}C + {}^{1}_{1}H \rightarrow {}^{13}_{7}N$$

Nuclide masses of $^{12}_{6}C, {}^{1}_{1}H$ *and* $^{13}_{7}N$ are 12.00, 1.0078 and 13.0057 amu respectively. **4M**

B) Give advantages and limitations of liquid drop model. **4M**

C) What are potentiometric titrations? What are the advantages of potentiometric titrations? **4M**

Q. 4 P) What are magic numbers? Give any four evidences in favour of magic numbers. **4M**

Q) How pH of solution is determined by using hydrogen gas electrode? **4M**

R) Emf of the following cell was found to be 0.2640 V at 25°C. **4M**

$$Hg(l)|\ Hg_2Cl_2(s)|\ KCl(sat)||\ H^+(unknown),\ Q,\ H_2Q\ |\ Pt$$

Calculate the pH of the solution. ( Given- $E_{calomel(sat)}$=0.2415 V and $E^o_Q$= 0.6996 V) **OR**

Q. 5 A) Discuss the liquid drop model of nucleus. **4M**

B) Define fission yield and explain the fission yield curve. **4M**

C) Complete the following nuclear fission. **4M**

1) $^{12}_{6}C\ (d,\alpha) - -$ 2) $- - (p,\alpha)\ {}^{6}_{3}Li$ 3) $^{27}_{13}Al\ (n,\alpha) - -$ 4) $^{65}_{29}Cu\ (p,n) -$

Q. 2 P) Distinguish between nuclear fission and nuclear fusion reaction. **4M**

Q) What is Q-value? How it is calculated? **4M**

R) Discuss the advantages and disadvantages of quinhydrone electrode. **4M OR**

Q. 3 A) Calculate the Q-value (in MeV) for the following nuclear reaction and state whether the reaction is exoergic or endoergic.

$$^{12}_{6}C + {}^{1}_{1}H \rightarrow {}^{13}_{7}N$$

Nuclide masses of $^{12}_{6}C, {}^{1}_{1}H$ *and* $^{13}_{7}N$ are 12.00, 1.0078 and 13.0057 amu respectively. **4M**

B) Give advantages and limitations of liquid drop model. **4M**

C) What are potentiometric titrations? What are the advantages of potentiometric titrations? **4M**

Q. 4 P) What are magic numbers? Give any four evidences in favour of magic numbers. **4M**

Q) How pH of solution is determined by using hydrogen gas electrode? **4M**

R) Emf of the following cell was found to be 0.2640 V at 25°C. **4M**

$$Hg(l)|\ Hg_2Cl_2(s)|\ KCl(sat)||\ H^+(unknown),\ Q,\ H_2Q\ |\ Pt$$

Calculate the pH of the solution. ( Given- $E_{calomel(sat)}$=0.2415 V and $E^o_Q$= 0.6996 V) **OR**

Q. 5 A) Discuss the liquid drop model of nucleus. **4M**

B) Define fission yield and explain the fission yield curve. **4M**

C) Complete the following nuclear fission. **4M**

1) $^{12}_{6}C\ (d,\alpha) - -$ 2) $- - (p,\alpha)\ {}^{6}_{3}Li$ 3) $^{27}_{13}Al\ (n,\alpha) - -$ 4) $^{65}_{29}Cu\ (p,n) - -$

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SGB Amravati University, Amravati

Consolidated Record of Internal Assessment Marks Summer (2021-2022)

Name of College: - Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon (Rly.) Class:- B.Sc. II (Sem.IV) Subject:- CHEMISTRY Paper:- CHEMISTRY

Name of the Teachers: - 1) Dr. P. M. Keche
2) Dr. H.P. Mungse

Designation: -1) Assistant Professor
2) Assistant Professor

| Sr. No. | Name of student | Marks awarded | | | |
|---|---|---|---|---|---|
| | | Project | Study Tour/Seminar | Class Test | Total |
| | | Max. Marks = 04 | Max. Marks = 06 | Max. Marks = 10 | Max. Marks = 20 |
| 1 | Aashumi Kucheriya | 04 | 06 | 10 | 20 |
| 2 | Achal Dafe | 04 | 06 | 10 | 20 |
| 3 | Achal Pinjari | 04 | 06 | 05 | 15 |
| 4 | Aditya Ahir | 04 | 06 | 05 | 15 |
| 5 | Aditya Nare | 04 | 00 | 05 | 09 |
| 6 | Akansha Kharbade | 04 | 06 | 07 | 17 |
| 7 | Anju Dhanke | 04 | 06 | 10 | 20 |
| 8 | Anuja Nishan | 04 | 06 | 10 | 20 |
| 9 | Anuradha Bagade | 04 | 06 | 10 | 20 |
| 10 | Anuradha Pinjari | 04 | 06 | 10 | 20 |
| 11 | Asmita Shrirame | 04 | 06 | 10 | 20 |
| 12 | Bhavesh Tapare | 04 | 06 | 07 | 17 |
| 13 | Chanchal Jadhao | 04 | 06 | 05 | 15 |
| 14 | Diksha Dhanke | 04 | 06 | 07 | 17 |
| 15 | Gayatri Chandure | 04 | 06 | 10 | 20 |
| 16 | Gayatri Gulhane | 04 | 06 | 10 | 20 |
| 17 | Gayatri Nikam | 04 | 06 | 10 | 20 |
| 18 | Khushali Tarhekar | 04 | 06 | 10 | 20 |
| 19 | Krishna Chandak | 04 | 06 | 10 | 20 |
| 20 | Mrunal Sawant | 04 | 06 | 10 | 20 |
| 21 | Nikita Sote | 04 | 06 | 07 | 17 |
| 22 | Payal Chaware | 04 | 06 | 10 | 20 |
| 23 | Payal Kamble | 04 | 06 | 07 | 17 |
| 24 | Pratik Nagrikar | 04 | 06 | 10 | 20 |
| 25 | Punam Chakole | 04 | 06 | 10 | 20 |
| 26 | Punam Meshram | 04 | 06 | 10 | 20 |
| 27 | Rashmi Raut | 04 | 06 | AA | 10 |
| 28 | Rutik Manohare | 04 | 06 | 10 | 20 |
| 29 | Ruttik Shende | 04 | 06 | 07 | 17 |
| 30 | Sahil Bhoyar | 04 | 06 | 07 | 17 |

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| | | | | | |
|---|---|---|---|---|---|
| 31 | Sakshi b[illegible]hiye | 04 | 06 | 05 | 15 |
| 32 | Sakshi In[illegible]ale | 04 | 06 | 10 | 20 |
| 33 | Sakshi K[illegible]le | 04 | 06 | 10 | 20 |
| 34 | Sakshi Th[illegible]kare | 04 | 06 | 10 | 20 |
| 35 | Samiksha Thakare | 04 | 06 | 10 | 20 |
| 36 | Sanjana W[illegible]ankhade | 04 | 06 | 10 | 20 |
| 37 | Sankalp M[illegible]alviya | 04 | 06 | 10 | 20 |
| 38 | Sayali Gu[illegible]hane | 04 | 06 | 10 | 20 |
| 39 | Sejal Mot[illegible]hare | 04 | 06 | 07 | 17 |
| 40 | Shital Kok[illegible]ate | 04 | 06 | 07 | 17 |
| 41 | Shivani Al[illegible]ade | 04 | 06 | 05 | 15 |
| 42 | Shreya Thakur | 04 | 06 | 10 | 20 |
| 43 | Shruti Thakur | 04 | 06 | 07 | 17 |
| 44 | Snehal Durge | 04 | 06 | 10 | 20 |
| 45 | Sonali Kalpande | 04 | 06 | 10 | 20 |
| 46 | Tejas Gawarle | 04 | 06 | 10 | 20 |
| 47 | Tejas Tale | 04 | 06 | 10 | 20 |
| 48 | Vaidehi Khedkar | 04 | 06 | 05 | 15 |
| 49 | Vaishnavi Pethe | 04 | 06 | 10 | 20 |
| 50 | Vaishnavi Sundarkar | 04 | 06 | 07 | 17 |
| 51 | Yadavi Gawande | 04 | 06 | 07 | 17 |
| 52 | Yogita Kale | 04 | 06 | 10 | 20 |
| | **Total** | **208** | **306** | **439** | **953** |

Name and signature of Teachers

1) Dr. P. M. Keche

2) Dr. H. P. Mungse

Signature of H.O.D.

Date: 23/04/22

Verified

Principal
Adarsha Science
Jairamdas Bhagchand Arts
Birla Commers Mahavidyalaya
DHAMANGAON Rly.

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**SGB Amravati University, Amravati**

**Consolidated Record of Internal Assessment Marks Winter (2021-2022)**

Name of College: - **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon (Rly.)** Class:- **B.Sc. II (Sem.III)** Subject:- **CHEMISTRY** Paper:- **CHEMISTRY**

Name of the Teachers: - 1) Dr. S. V. Manohare
2) Dr. V. A. Sadafale
3) Dr. P. M. Keche

Designation: -1) Assistant Professor
2) Assistant Professor
3) Assistant Professor

| Sr. No. | Name of student | Marks awarded | | | |
|---|---|---|---|---|---|
| | | Project | Study | Class Test | Total |
| | | Max. Marks = 04 | Max. Marks = 06 | Max. Marks = 10 | Max. Marks = 20 |
| 1 | Aashumi Kucheriya | 04 | 06 | 10 | 20 |
| 2 | Akansha Kharbade | 04 | 06 | 10 | 20 |
| 3 | Anuradha Piniari | 04 | 06 | 10 | 20 |
| 4 | Arpita badwaik | 04 | 00 | 00 | 04 |
| 5 | Diksha Walke | 00 | 00 | 00 | 00 |
| 6 | Khushali Tarhekar | 04 | 06 | 10 | 20 |
| 7 | Krishna Chandak | 04 | 06 | 10 | 20 |
| 8 | Mrunal Sawant | 04 | 06 | 10 | 20 |
| 9 | Nikita Sou | 04 | 06 | 10 | 20 |
| 10 | Payal Chaware | 04 | 06 | 10 | 20 |
| 11 | Sakshi Thakare | 04 | 06 | 10 | 20 |
| 12 | Sakshi badhiye | 04 | 00 | 07 | 11 |
| 13 | Shital Kokate | 04 | 06 | 05 | 15 |
| 14 | Sonali Kalpande | 04 | 06 | 10 | 20 |
| 15 | Sankalp Malviya | 04 | 06 | 10 | 20 |
| 16 | Pratik Nazrikar | 04 | 06 | 07 | 17 |
| 17 | Sahil Bhoyar | 04 | 06 | 07 | 17 |
| 18 | Tejas Gavarle | 04 | 06 | 10 | 20 |
| 19 | Vaishnavi Sundarkar | 04 | 06 | 10 | 20 |
| 20 | Vaishnavi Pethe | 04 | 06 | 10 | 20 |
| 21 | Asmita Shrirame | 04 | 06 | 10 | 20 |
| 22 | Anuja Nishan | 04 | 06 | 10 | 20 |
| 23 | Gayatri Gulhane | 04 | 06 | 10 | 20 |
| 24 | Gayatri Nikam | 04 | 06 | 10 | 20 |
| 25 | Gayatri Chandure | 04 | 06 | 10 | 20 |
| 26 | Punam Chakole | 04 | 06 | 10 | 20 |
| 27 | Punam Meshram | 04 | 06 | 10 | 20 |
| 28 | Shreya Thakur | 04 | 06 | 05 | 15 |
| 29 | Samiksha Thakare | 04 | 06 | 10 | 20 |

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| | | | | | |
|---|---|---|---|---|---|
| 30 | Sakshi Ingale | 04 | 06 | 10 | 20 |
| 31 | Sakshi Kale | 04 | 06 | 10 | 20 |
| 32 | Sanjana Wankhade | 04 | 06 | 10 | 20 |
| 33 | Sayali Gulhane | 04 | 06 | 10 | 20 |
| 34 | Sejal Motghare | 04 | 06 | 10 | 20 |
| 35 | Shivani Akade | 04 | 06 | 10 | 20 |
| 36 | Snehal Durge | 04 | 06 | 10 | 20 |
| 37 | Anju Dhanke | 04 | 06 | 10 | 20 |
| 38 | Diksha Dhanke | 04 | 06 | 10 | 20 |
| 39 | Yadavi Gawande | 04 | 06 | 05 | 15 |
| 40 | Payal Kamble | 04 | 06 | 10 | 20 |
| 41 | Anuradha Bagade | 04 | 06 | 10 | 20 |
| 42 | Vaidehi Khedkar | 04 | 06 | 10 | 20 |
| 43 | Achal Dafe | 04 | 06 | 10 | 20 |
| 44 | Achal Pinjari | 04 | 06 | 10 | 20 |
| 45 | Rashmi Raut | 04 | 06 | 10 | 20 |
| 46 | Aditya Nare | 04 | 06 | 10 | 20 |
| 47 | Aditya Ahir | 04 | 06 | 05 | 15 |
| 48 | Bhavesh Tapare | 04 | 06 | 10 | 20 |
| 49 | Rutik Manohare | 04 | 06 | 07 | 17 |
| 50 | Ruttik Shende | 04 | 06 | 07 | 17 |
| 51 | Tejas Tale | 04 | 06 | 05 | 15 |
| 52 | Yogita Kale | 04 | 06 | 05 | 15 |
| 53 | Chanchal Jadhao | 04 | 06 | 10 | 20 |
| 54 | Divya Gadge | 00 | 00 | 10 | 20 |
| 55 | Shruti Thakur | 04 | 06 | 00 | 00 |
| | **Total** | **212** | **306** | **475** | **993** |

Name and signature of Teachers

1) Dr. S. V. Manohare

2) Dr. V. A. Sadafale

3) Dr. P. M. Keche

Date: 20/01/22

Signature of H.O.D.

Verified

Principal
Adarsha Science
Jairamdas Bhagchand Arts
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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**NOTICE** **Date: - 05/07/2021**

**Department of Chemistry**

**For B. Sc. I (Sem.II) (Chemistry)**

**Schedule of Activities for Internal Assessment**

**1) Home Assignment: - 8 Marks.**

Students of ***B. Sc. I (Sem.II) (Chemistry)*** class are hereby informed that they should submit the home assignments on the following topics on or before ***31st July 2021.***

**Topic:** ***Unit III- A) Alkyl halides B) Aryl Halides C) Alcohols***

**2) Class Test: - 30 Marks.**

Students of ***B. Sc. I (Sem.II) (Chemistry)*** class are hereby informed that a class test shall be conducted on following topic –

**Topic:** ***Unit VI- Chemical Kinetics*** on ***Tuesday the 27th July 2021, from 1.15 p.m. to 2.05 p.m.***

Students are advised to participate in all the above activities. Those students who will not submit the home assignments or will remain absent for the class test shall be awarded zero marks in that particular activity.

**Conversion Table for Class Test**

**For Sem. II**

| Marks scored out of 30 | Marks to be allotted out of 12 |
|---|---|
| 24 and above | 12 |
| 18 to 23 | 10 |
| 11 to 17 | 07 |
| 00 to 10 | 00 |

Head

Dept. of Chemistry

Principal
Jaramdas Bhagchand Arts
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly.)**
**Department of Chemistry**
**Unit Test for Internal Assessment**
**Class: - B. Sc. I (Sem. II)**

**Date: 12/04/2022** **Max. Marks: 30**
**Time: 50 Minutes**

---

**Q. 1 (A) Fill in the blanks: -**

(i) Alcohols containing two hydroxyl groups are commonly called as ----------. **[4]**

(ii) In chlorobenzene, chlorine atom is bonded to ---------- hybridized carbon atom.

(iii) % s character in C-Cl bond of vinyl chloride is -------.

(iv) ---------is the example of trihydric alcohols.

**B) Select the correct alternatives:-**

(i) Benzyl chloride is also known as .....

a) α – chlorotoluene b) benzal chloride c) chlorobenzene d) none of the above **[4]**

(ii) Phenol when heated with $PCl_5$ gives ----------.

a) chlorobenzene b) toluene c) aniline d) none of the above

(iii) % s character in C-Cl bond of allyl chloride is -------.

a) 10 b) 25 c) 50 d) 80

(iv) IUPAC name of glycerol is -------.

a) propane 1,2,3 – triol b) ethane diol c) trinitroglycerol d) chlorohydrine

**C) Answer in one sentence:-**

(i) vinyl chloride (ii) chlorobenzene **[2]**

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**Q. 2 (A) What happens when : -** **[12]**

(i) Vinyl chloride is heated with alcoholic KOH.
(ii) Glycerol is treated with $PCl_5$.
(iii) Allyl chloride react with aqueous KOH.
(iv) Benzyl alcohol react with thionyl chloride.
(v) Glycerol react with nitric acid.
(vi) Vinyl chloride is heated with aqueous KOH.

**OR**

**Q. 3 (B) What happens when : -** **[12]**

(i) Allyl chloride is treated with alcoholic KOH.
(ii) Phenol is heated with $PCl_5$.
(iii) Chlorobenzene on heating with sodium ethoxide
(iv) Benzyl alcohol react with $PCl_5$.
(v) Benzyl chloride heated with $NH_3$
(vi) Ethylene glycol treated with acetic acid.

**Q. 4 (D)** What is pinacol-pinacolone rearrangement and explain the mechanism. **[4]**

**(E) How will you prepare:-**

i) Vinyl chloride from acetylene
ii) Allyl chloride from propene **[4]**

**OR**

**Q. 5 (F)** Chlorine in vinyl chloride is less reactive towards nucleophilic substitution than allyl chloride. Why? **[4]**

**(G) How will you prepare:**

(i) Ethylene glycol from ethylene oxide
(ii) Aniline from chlorobenzene **[4]**

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# Sant Gadge Baba Amravati University, Amravati
## Consolidated Record of Internal Assessment Marks (2021-2022)

Name of College: - **Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon (Rly.)**

Class: - **B. Sc. I (Sem. II)**

Subject: - **CHEMISTRY**

Paper: - **CHEMISTRY**

Name of the teachers - 1) Dr. H. P. Mungse

2) Dr. P.M. Keche

Designation:-1) Assistant Professor

2) Assistant Professor

| Sr. No. | Name of student | Marks awarded | | |
|---|---|---|---|---|
| | | Home Assignment | Class Test | Total |
| | | Max. Marks = 08 | Max. Marks = 12 | Max. Marks = 20 |
| 1 | Aarti Radheshyam Surjuse | 08 | 10 | 18 |
| 2 | Abhay Prashant Raut | 08 | 07 | 15 |
| 3 | Aditya Arunrao Bhatkule | 08 | 07 | 15 |
| 4 | Akanksha Avadhut Wahane | 08 | 12 | 20 |
| 5 | Anisha Shivkumar Kadu | 08 | 10 | 18 |
| 6 | Aparna M. Masram | 08 | 07 | 15 |
| 7 | Apeksha Arun Dongardive | 08 | 10 | 18 |
| 8 | Arpan Milind Ajmire | 08 | 12 | 20 |
| 9 | Ashish Rajendra Uike | 08 | 07 | 15 |
| 10 | Atharva Gawande | 08 | 12 | 20 |
| 11 | Bilal sheikh M. Salim Sheikh | 08 | 10 | 18 |
| 12 | Dhanashri Suresh Kale | 08 | 12 | 20 |
| 13 | Dikshant Moon | 08 | 10 | 18 |
| 14 | Gayatri Pradip Rajankar | 08 | 12 | 20 |
| 15 | Gayatri Pundlikrao Nikhade | 08 | 10 | 18 |
| 16 | Gayatri Sanjay Mude | 08 | 07 | 15 |
| 17 | Huzaif Akmal Zakir Ahmad | 00 | 00 | 00 |
| 18 | Kalyani Thakare | 08 | 10 | 18 |
| 19 | Kiran Marotrao Darokar | 08 | 10 | 18 |
| 20 | Komal Bhagwatrao Tatte | 08 | 10 | 18 |
| 21 | Komal Bharat Madavi | 08 | 10 | 18 |
| 22 | Mahek Sayeed Khan | 08 | 07 | 15 |
| 23 | Mahima Shirpurkar | 08 | 10 | 18 |
| 24 | Monika Nain | 08 | 12 | 20 |
| 25 | Neha R. Raut | 08 | 07 | 15 |

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|---|---|---|---|---|
| 26 | Nikita Pravin Thakare | 08 | 07 | 15 |
| 27 | Nikita Vilas Wankhade | 08 | 12 | 20 |
| 28 | Pawan Nagpure | 08 | 12 | 20 |
| 29 | Prachi Bharat Patil | 08 | 10 | 18 |
| 30 | Prachi Gajendra Borghate | 08 | 12 | 20 |
| 31 | Prachi Nitinrao Deshmukh | 08 | 10 | 18 |
| 32 | Prachi Suryoday | 08 | 07 | 15 |
| 33 | Prajwal Dilip Patil | 08 | 07 | 15 |
| 34 | Prajwal Narendra Sonone | 08 | 12 | 20 |
| 35 | Pratiksha Gajanan Bharti | 08 | 10 | 18 |
| 36 | Renuka Ramesh Wankhade | 08 | 07 | 15 |
| 37 | Roshan Gulab Shah | 06 | 10 | 16 |
| 38 | Rucha pramodrao Ingle | 07 | 12 | 19 |
| 39 | Ruchita J. Dube | 08 | 10 | 18 |
| 40 | Rushikesh Narayan Rewade | 06 | 07 | 13 |
| 41 | Rutuja Damble | 08 | 07 | 15 |
| 42 | Sadiya Parveen | 08 | 07 | 15 |
| 43 | Sakshi Atalkar | 07 | 07 | 14 |
| 44 | Sakshi Sanjay Joshi | 08 | 10 | 18 |
| 45 | Sambodhi Vijay Borkar | 08 | 10 | 18 |
| 46 | Samiksha Vijay Sambhe | 08 | 10 | 18 |
| 47 | Samruddhi Chaudhari | 08 | 07 | 15 |
| 48 | Sanskruti Amar Deshmukh | 08 | 07 | 15 |
| 49 | Sejal Gajananrao Chandekar | 08 | 10 | 18 |
| 50 | Shraddha Manoj Raut | 07 | 10 | 17 |
| 51 | Shravani Mohan Thakare | 08 | 12 | 20 |
| 52 | Shravani V. Vidulkar | 08 | 07 | 15 |
| 53 | Shreya Vasant Bansod | 08 | 12 | 20 |
| 54 | Shruti Ravindra Kamble | 08 | 10 | 18 |
| 55 | Snehal Shyamsundar Vidulkar | 08 | 07 | 15 |
| 56 | Swati Mehkare | 08 | 10 | 18 |
| 57 | Sandesha Ugle | 00 | 00 | 00 |
| 58 | Tanvi Arun Ghavat | 08 | 12 | 20 |
| 59 | Tanvi Gandole | 08 | 10 | 18 |
| 60 | Tejal Ravindra Gandole | 08 | 10 | 18 |
| 61 | Tejas Nivruti Zibad | 08 | 07 | 15 |
| 62 | Tejas Sudhir Pawar | 00 | 00 | 00 |
| 63 | Tujes Nilkanth Rajurkar | 07 | 10 | 17 |
| 64 | Umer Khan | 08 | 12 | 20 |
| 65 | Vaishnavi B. Chaudhari | 08 | 07 | 15 |

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| 66 | Vidhan Amol Sthul | 07 | 07 | 14 |
| 67 | Vikran Vilas Somkuwar | 05 | 07 | 12 |
| 68 | Virendra Vijay Kale | 07 | 07 | 14 |
| 69 | Vishakha Rajendra Rewade | 08 | 12 | 20 |
| 70 | Vrushali Gajanan Kadu | 08 | 12 | 20 |
| 71 | Yash Pramod Sote | 07 | 07 | 14 |
| | **Total** | **530** | **639** | **1169** |

Signature of H.O.D.

Name and signature of teachers

1) Dr. H. P. Mungse

2) Dr. P. M. Keche

Date: 23/05/2022

Verified
Principal
Adarsha Science
Jahanmalas Bhagchand Arts
Birla Commerce Mahavidyalaya
DHAMANGAON Rly

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**Sant Gadge Baba Amravati University, Amravati**

**Consolidated Record of Internal Assessment Marks (2021-2022)**

**Name of College: Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.**
**Class- B. Sc. I. (Sem I)** Subject – **Chemistry** Paper (with Title) – **Chemistry**

Name of the Teacher – 1) Dr. S. V. Manohare Designation: 1) Assistant Professor

2) Dr, V. A. Sadafale 2) Assistant Professor

| Sr. No | Name of the Student | Marks awarded | | |
|---|---|---|---|---|
| | | Home Assignment | Class Test | Total |
| | | Max. Marks=08 | Max. Marks=12 | Max. Marks=20 |
| 1. | Aditya Arunrao Bhatkule | 08 | 12 | 20 |
| 2. | Aparna Mahadeo Masram | 08 | 12 | 20 |
| 3. | Gayatri Pundlikrao Nikhade | 08 | 12 | 20 |
| 4. | Gayatri Sanjay Mude | 08 | 12 | 20 |
| 5. | Kalyani Kiran Thakare | 08 | 12 | 20 |
| 6. | Mahek Sayeed Khan | 08 | 12 | 20 |
| 7. | Neha Rajeshrao Raut | 08 | 12 | 20 |
| 8. | Nikita Pravin Thakare | 08 | 12 | 20 |
| 9. | Pavan Purushottam Nagpure | 08 | 12 | 20 |
| 10. | Prachi Bharat Patil | 08 | 12 | 20 |
| 11. | Prachi Satyanarayan Suryoday | 08 | 12 | 20 |
| 12. | Renuka Rameshrao Wankhade | 08 | 12 | 20 |
| 13. | Rutuja Haridas Dambale | 08 | 12 | 20 |
| 14. | Sadiya Parveen M. Shakil | 08 | 12 | 20 |
| 15. | Sakshi Sanjay Joshi | 08 | 12 | 20 |
| 16. | Sambodhi Vijay Borkar | 08 | 12 | 20 |
| 17. | Samruddhi Sudhakarrao Chaudhari | 08 | 12 | 20 |
| 18. | Sejal Gajanan Chandekar | 08 | 12 | 20 |
| 19. | Shraddha Manoj Raut | 08 | 12 | 20 |
| 20. | Shravani Mohanrao Thakare | 08 | 12 | 20 |

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|---|---|---|---|---|
| 21. | Shreya Vasant Bansod | 08 | 12 | 20 |
| 22. | Snehal Shyamsundar Vidulkar | 08 | 12 | 20 |
| 23. | Swati Shankar Mehakare | 08 | 12 | 20 |
| 24. | Tejas Nivrutti Zibad | 08 | 12 | 20 |
| 25. | Tejas Sudhir Pawar | 08 | 12 | 20 |
| 26. | Tujes Nilkanth Rajurkar | 08 | 12 | 20 |
| 27. | Vaishnavi Bhaiyyasaheb Chaudhari | 08 | 12 | 20 |
| 28. | Vidhan Amol Sthul | 08 | 12 | 20 |
| 29. | Virendra Vijay Kale | 08 | 12 | 20 |
| 30. | Vrushali Gajanan Kadu | 08 | 00 | 08 |
| 31. | Yash Pramod Sote | 08 | 12 | 20 |
| 32. | Sandesh Ravindra Ugale | 00 | 00 | 00 AA |
| 33. | Abhay Prashant Raut | 08 | 12 | 20 |
| 34. | Akanksha Avadhut Wahane | 08 | 12 | 20 |
| 35. | Anisha Shivkumar Kadu | 08 | 12 | 20 |
| 36. | Apeksha Arun Dongardive | 08 | 12 | 20 |
| 37. | Arpan Milind Ajmire | 08 | 12 | 20 |
| 38. | Ashish Rajendra Uike | 08 | 12 | 20 |
| 39. | Bilalsheikh Mohamad Salim sheikh | 08 | 12 | 20 |
| 40. | Chanchal Rameshsing Bhivarikar | 00 | 00 | 00 AA |
| 41. | Dhanashri Suresh Kale | 08 | 12 | 20 |
| 42. | Gayatri Pradip Rajankar | 08 | 12 | 20 |
| 43. | Kiran Marotrao Darokar | 08 | 12 | 20 |
| 44. | Komal Bhagwatrao Tatte | 08 | 12 | 20 |
| 45. | Komal Bharat Madavi | 08 | 12 | 20 |
| 46. | Mahima Vijay Shirpurkar | 08 | 12 | 20 |
| 47. | Nikita Vilas Wankhade | 08 | 12 | 20 |
| 48. | Prachi Gajendra Borghate | 08 | 12 | 20 |
| 49. | Prajwal Dilip Patil | 08 | 12 | 20 |
| 50. | Prajwal Narendra Sonone | 08 | 12 | 20 |
| 51. | Pratiksha Gajanan Bharti | 08 | 12 | 20 |
| 52. | Rucha Pramod Ingle | 08 | 12 | 20 |
| 53. | Ruchita Jitendra Dube | 08 | 12 | 20 |
| 54. | Sakshi Anand Atalkar | 08 | 12 | 20 |

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|---|---|---|---|---|---|
| 55. | Samiksha Vijay Sambhe | 08 | 12 | 20 | |
| 56. | Sanskruti Amarsinh Deshmukh | 08 | 12 | 20 | |
| 57. | Sanvidha Anand Mane | 00 | 00 | 00 | AA |
| 58. | Shruti Ravindra Kamble | 08 | 12 | 20 | |
| 59. | Tanvi Arun Ghavat | 08 | 12 | 20 | |
| 60. | Tejal Ravindra Gandole | 08 | 12 | 20 | |
| 61. | Umerkhan Harun Khan | 08 | 12 | 20 | |
| 62. | Vishakha Rajendra Rewade | 08 | 12 | 20 | |
| 63. | Aarti Radheshyam Surjuse | 08 | 12 | 20 | |
| 64. | Atharva Pramod Gawande | 08 | 12 | 20 | |
| 65. | Dikshant Sudhakarrao Moon | 08 | 12 | 20 | |
| 66. | Gauri Pramodrao Wakode | 00 | 00 | 00 | |
| 67. | Huzaif Akmal Zakirahmad | 08 | 12 | 20 | |
| 68. | Monika Shamshersing Nain | 08 | 12 | 20 | |
| 69. | Prachi Nitinrao Deshmukh | 08 | 12 | 20 | |
| 70. | Roshan Gulab Shah | 08 | 12 | 20 | |
| 71. | Rushikesh Narayan Rewade | 08 | 12 | 20 | |
| 72. | Shravani Vitthalrao Vidulkar | 08 | 12 | 20 | |
| 73. | Shweta Anil Nagrale | 00 | 00 | 00 | AA A |
| 74. | Tanvi Prashant Gandole | 08 | 12 | 20 | |
| 75. | Vikram Vilas Somkumwar | 08 | 12 | 20 | |
| **Total** | | **560** | **828** | **1388** | |

Manohare
Signature of H.O.D

Name and Signature of Teacher

1) Dr. S. V. Manohare Manohare

2) Dr. V. A. Sadafale Vsadafale

Date –20/01/2022 Verified

Principal
Principal
Adarsha Science
Jairamdas Bhagchand Arts
Birla Commers Mahavidyalaya
DHAMANGAON Rly.

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