

Certificate Course in Printed Circuit Board (PCB) Designing

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

Department of Electronics

**Certificate Course in
“Printed Circuit Board
(PCB) Designing”**

Course details:

- **Duration** : 3 Months
- **Proposed Date** : 04/09/2023 to 31/10/2023
- **Hours** : 90
- **Days** : 45
- **Fees** : Rs. 1000/-
- **Timing** : 8:30 AM to 10:30 AM
- **Venue** : Electronics Lab

Certificate Course in Printed Circuit Board (PCB) Designing

Objectives of the Course:

Printed Circuit Board course is for designing and fabrication of PCB using different software and hardware tools. PCB (Printed Circuit Board) designing is an integral part of each and every Electronics circuit. Through this course students are able to design and develop Printed Circuit boards of their own projects as well as PCBs up to industrial grade. Students will also able to get job in different companies as well as they can self-employed.

Syllabus of the Course:

Unit	Contents	Hour
Unit I: Introduction to PCB designing concepts	Introduction & Brief History What is PCB, Difference between PWB and PCB, Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer), PCB Materials. Introduction to Electronic design Automation (EDA) Brief History of EDA, Latest Trends in Market, necessity, requirements, different EDA tools, Introduction to SPICE/ PSPICE/ EAGLE Environment, Introduction and Working of PROTEUS.	15
Unit II: Component introduction and their categories	Types of Components Introduction to Active Components, Diode, Transistor, MOSFET, LED, SCR, Integrated Circuits (ICs), Passive Components, Resistor, Capacitor, Inductor, Transformer, Speaker/Buzzer. Component Package Types Through Hole Packages, Axial lead, Radial Lead, Single Inline Package(SIP), Dual Inline Package(DIP), Transistor, Outline(TO), Pin Grid Array(PGA), Through Hole Packages, Metal Electrode Face (MELF), Leadless Chip Carrier(LCC), Small Outline Integrated Circuit(SOIC), Quad Flat Pack(QFP) and Thin QFP (TQFP). Ball Grid Array(BGA), Plastic Leded Chip Carrier(PLCC).	15
Unit III : Introduction to Development Tools and PCB Designing	PCB Designing Flow Chart Schematic Entry, Net listing, PCB Layout Designing, Prototype Designing, Design Rule Check (DRC), Design for Manufacturing	20

Certificate Course in Printed Circuit Board (PCB) Designing

	(DFM). PCB Making, Printing, Etching, Drilling, Assembly of components Description of PCB Layers Electrical Layers, Top Layer, Mid Layer, Bottom Layer, Mechanical Layers, Board Outlines and Cutouts, Drill Details, Documentation Layers, Components Outlines, Reference Designation, Text.	
Unit IV : Detailed description and practical of PCB designing	Keywords & Their Description Footprint, Pad stacks, Vias, Tracks, Color of Layers, PCB Track Size Calculation Formula. PCB Materials Standard FR-4 Epoxy Glass, Multifunctional FR-4, Tetra Functional FR-4, Nelco N400-6, GETEK, BT Epoxy, Glass, Cyanate Aster, Plyimide Glass, Teflon Rules for Track Track Length, Track Angle, Rack Joints, Track Size Study of IPC Standards IPC Standard For Schematic Design, IPC Standard For PCB Designing, IPC Standard For PCB Materials, IPC Standard For Documentation and PCB Fabrication	20
Unit V : Lab practice and designing concepts	Starting the PCB designing Understanding the schematic Entry, Creating Library & Components, Drawing a Schematic, Flat Design / hierarchical Design. Setting up Environment for PCB, Design a Board. Auto routing Introduction to Auto routing, Setting up Rules, Defining Constraints, Auto router Setup PCB Designing Practice PCB Designing of Basic and Analog Electronic Circuits, PCB Designing of Power Supplies, PCB Designing of Different Sensor modules, PCB Designing of Electronics Projects, PCB Designing of Embedded Projects Post Designing & PCB Fabrication Process	20

Certificate Course in Printed Circuit Board (PCB) Designing

	Printing the Design, Etching, Drilling, Interconnecting and Packaging electronic Circuits (IPC) Standards, Gerber Generation, Soldering and De-soldering, Component Mounting, PCB and Hardware Testing	
Project work	Making the schematic of Academic and Industrial projects PCB Designing of these projects Soldering and De-soldering of components as per Design Testing and Troubleshooting Methods	

Reference Books:

1. Basic Electronics by B.L. Thereja (S.Chand and Company)
2. Element of electronics by Bagde and Singh (S.Chand and Company)
3. Make your own PCBs with EAGLE: From Schematic Designs to Finished Board by Simon Monk (Tata McGraw Hill).
4. Designing Circuit Boards with EAGLE: Make High-Quality PCBs at Low Cost by Mak (Prentice Hall).
5. Complete PCB Design Using OrCAD Capture and PCB Editor by Kraig Mitzner (Newness).
6. PCB Design in EAGLE - Part 1: Learn about EAGLE's user interface, adding parts, schematics, and more! By Andy Artes.
7. Designing Circuit Boards with EAGLE: Make High-Quality PCBs at Low Cost by Matthew Scarpino.
8. Fundamentals of Layout Design for Electronic Circuits by Jens Lienig and Juerqen Scheible (Springer)
9. Printed Circuit Boards: Design and Technology by Walter Bosshart.

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY

Department of Electronics

Certificate Course in

"Printed Circuit Board (PCB) Designing"

Notice

Date: 28/08/2023

All the students of B.Sc. and M.Sc. are hereby informed that, Department of Electronics is going to organize Three month Certificate course in **"Printed Circuit Board (PCB) Designing"** (Under Carrier oriented Course) during 4th September 2023 to 31st October 2023.

Interested students can enrol their names to Mr. S. K. Shelke, Department of Electronics on or before 1st September 2023.

Course details –

Duration of Course: 3 Months (04/09/2023 to 31/10/2023)

Timings : 8:30 AM to 10:30 AM

Venue : Electronics Lab



Mr. S. K. Shelke

Co-ordinator



Dr. Y. B. Gandole

Principal

Adarsha Science,

Jatendra Bhagchand Arts &

Birala Commerce Mahavidyalaya
DHAMANGAON Rly.

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY

Department of Electronics

Certificate Course in
"Printed Circuit Board (PCB) Designing"
(2023-2024)

Notice

Date: 02/09/2023

Following table shows list of admitted students for Certificate course in "Printed Circuit Board (PCB) Designing".

Sr. No.	Name of the Student	Class
1	Avinash G. Thakare	B.Sc. I
2	Dnyandip Thakare	B.Sc. I
3	Gayatri P. Gulnule	B.Sc. I
4	Komal K. Thakare	B.Sc. I
5	Mayuri S. Chavhan	B.Sc. I
6	Radhika N. Borundiya	B.Sc. I
7	Sahil S. Gawande	B.Sc. I
8	Saksham R. Hendve	B.Sc. I
9	Yash J. Nimkar	B.Sc. I
10	Yuktee R. Kucheriya	B.Sc. I


Mr. S. K. Shelke
Co-ordinator


Dr. Y. B. Gandole
Principal
Adarsha Science,
J. B. Arts and Commerce
Mahavidyalaya
DHAMANGAON Rly.

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY

Department of Electronics

Certificate Course in

"Printed Circuit Board (PCB) Designing"

Time Table (2023-2024)

w.e.f.: 04/09/2023

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Theory	HES		HES		HES	
Practical		HES		VGG		VGG

HES : H. E. Salve

VGG : V. G. Gabhane

Note :

Timings : 8:30 AM to 10:30 AM

Venue : Electronics Lab


Mr. S. K. Shelke
Co-ordinator


Dr. Y. B. Gandole
Principal

ADARSHA SCIENCE,
J. B. ARTS AND BIRLA
COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY

**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY**

Department of Electronics

Certificate Course in

"Printed Circuit Board (PCB) Designing"

Faculty Work Load (2023-2024)

(04/09/2023 to 31/10/2023)

Sr. No.	Name of the Teacher	Workload in Hours
1.	Mr. Harshal. E. Salve	60 hrs
2.	Mr. Vishal G. Gabhane	30 hrs



Mr. S. K. Shelke
Co-ordinator



Dr. Y. B. Gandole

Principal

Adarsha Science,

**Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.**

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY

Department of Electronics

Certificate Course in
"Printed Circuit Board (PCB) Designing"
(2023-2024)
Notice

All the students are hereby informed that, schedule for the final examination for the Certificate Course in "Printed Circuit Board (PCB) Designing" is as follows.

Sr. No.	Theory /Practical	Date	Time	Marks
1	Theory (MCQ)	03/11/2023	10:00 AM to 11:00 AM	100
2	Practical	04/11/2023	09:00 AM to 11:00 AM	50


Mr. S. K. Shelke
Co-ordinator


Dr. Y. B. Gandole
Principal
Adarsha Science
Jatindas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON RLY

Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly. Department of Electronics Certificate Course in "Printed Circuit Board (PCB) Designing" Theory Examination (2023-2024)		
Time : 2 Hours		Max. Marks : 100
Name of the Student :		Roll No :
Signature of Student:		Signature of Invigilator:
Note : 1. All the questions are Compulsory. 2. Each question carries 02 Marks 3. No Negative Marking for wrong Answer 4. Mentioned correct answer in the box.		
Q 1.	PCB stands for _____.	
	A. Pure Copper Board B. Printed Circuit Board C. Printed Copper Board D. None of these	
Q 2.	Following software is used to design PCB layout.	
	A. MS Word B. MS Excel C. EAGLE D. None of these	
Q 3.	Which of the following is not a film used in PCB design?	
	A. A copper film B. A polyester film C. A photographic glass D. None of these	
Q 4.	Which one of the following is not a plating technique?	
	A. Immersion plating B. Electroless plating C. Hard plating D. None of these	
Q 5.	The analog and the digital circuit on the same PCB should have _____.	
	A. common ground conductor networks B. independent ground conductor networks C. no ground conductor network D. None of these	
Q 6.	When two transmission lines are placed close to each other, they are said to be coupled. This coupling can be used to built	
	A. band pass filters B. band elimination filters C. directional couplers D. All of the above	
Q 7.	IC stands for _____.	
	A. Immediate Circuit B. Intermediate Circuit C. Integrated Circuit D. None of these	
Q 8.	Parasitic effects influence the working of a PCB.	
	A. TRUE B. FALSE C. Can not say D. None of these	
Q 9.	In the layout approach, a 'Puppet' is used for _____.	
	A. a diode B. a transistor C. an IC D. any commonly used electronic component	
Q 10.	For TTL , we require a wave impedance of _____.	
	A. 50-100 Ohm B. 100-150 Ohm C. 150-200 Ohm D. 200-250 Ohm	
Q 11.	Large values of wave impedance call for _____.	
	A. broader signal conductors B. thin signal conductors C. both a and b D. None of these	
Q 12.	Screen printing is used in _____.	
	A. photo printing B. screen printing C. hand printing D. None of these	
Q 13.	Which of the following is not a machine cleaning process for boards?	
	A. Sanding B. Water rinse C. Wet brushing D. Scrubbing	
Q 14.	Which of the following is a design constraint for the design of the flexible PCBs?	
	A. Current carrying capacity of the conductors B. Bending C. Contours D. All of the above	

Q 15.	Self soldering or soldering generally implies that the joining process occurs at temperatures below A. 100°C C. 350°C B. 200°C D. 450°C	
Q 16.	What is hot air leveling used for? A. Etching C. PCB layout B. PCB finishing D. PCB artwork	
Q 17.	Which of the following is not a physical characteristic of a copper clad laminate? A. Flame resistance C. Flexural strength B. Water absorption D. Color	
Q 18.	In fast signal or high – speed logic circuits , the conductors are considered to be _____. A. impedances C. capacitors B. transmission lines D. inductors	
Q 19.	Copper plating is done in multilayer boards to _____. A. remove etchants C. withstand thermal shock due to soldering B. remove excess copper D. clean a PCB with chemicals	
Q 20.	The dielectric constant of any material is also referred to as _____. A. permeability C. proximity B. permittivity D. resistivity	
Q 21.	The temperature range for soldering process is _____. A. 40 – 100° C C. 300 – 500° C B. 180 – 250° C D. 600 – 900° C	
Q 22.	A soldering iron 'bit' is made of _____. A. Brass C. Steel B. Tin D. Copper	
Q 23.	Heat for soldering process is supplied by A. Soldering iron C. Electric resistance method B. Induction furnace D. Any of the above	
Q 24.	Soldering iron is made of wedge shape in order to _____. A. Apply high pressure at edge C. Retain solder B. Retain heat D. Forge welding	
Q 25.	The purpose of using flux in soldering is to _____. A. Increase fluidity of solder metal C. Carbon steel B. Fill up gaps left in a bad joint D. Prevent oxides forming	
Q 26.	In sand moulding the bottom most part of the flask is called _____. A. Cope C. Drag B. Cheek D. Flask bottom	
Q 27.	Strength and permeability of served sand are related to _____. A. Grain size C. Hardness B. Clay-content D. Moisture content	
Q 28.	Which phenomenon is not reduced by the circuit paths of lowest impedances especially provided by power and return planes for shielding purposes? A. Radiation C. Noise B. Convection D. Crosstalk	
Q 29.	High current circuits are purposely located or placed near the edge of PCB in accordance to the supply lines for _____. A. Removal of heat C. Reduction of path length B. Isolation of stray current D. All of the above	
Q 30.	Which among the below stated soldering methods is also renowned as 'High Frequency Resistance Soldering'? A. Iron Soldering C. Torch Soldering B. Furnace Soldering D. Electrical Soldering	

Q 31.	Which among the below mentioned approaches belongs to the category of In-circuit Testing? A. Impedance Testing B. Component Testing C. Apply Signal and check output D. All of the above	
Q 32.	Which type of solderability testing is carried out for the generation of solder sample due to immersion of wire or sheet metal specimen in a bath of molten solder? A. Solder Bath Testing B. Meniscus Rise Testing C. Solder Iron Testing D. None of the above	
Q 33.	What is/are the necessity/ies to provide guarding to precision differential amplifiers? A. To increase leakage resistance B. To reduce capacitance between signal conductors & ground C. Both a and b D. None of the above	
Q 34.	Which among the below mentioned assertions is not a way of cross-talk reduction while designing digital PCBs? A. Decrease in the distance between conductors B. Shielding of clock lines with guard strips C. Reduction in the loop area of circuits D. Avoid running of parallel traces for longer distances especially for asynchronous signals	
Q 35.	Which among the below mentioned packages does not belong to the category of "Small Outline Package"? A. SO B. SOP C. SOT D. SON	
Q 36.	Which among the below specified assertions is not a grounding consideration associated with ADC as well as DAC? A. Analog side to analog ground B. Digital side to digital ground C. Use of separate power supply and connection of their ground leads to single point reference D. Reduction of inductive loop area between power and return traces	
Q 37.	Which terminology of PCB represents a thin photo-sensitive polymer by supporting photographic pattern of single traces or IC pads for etching? A. Prepreg B. Etching C. Photo-resist D. Solder mask	
Q 38.	In IC DIP package, DIP stands for _____. A. Dual in Line B. Dry in line C. Dash in line D. None of these	
Q 39.	Which among the following assists in obtaining the desired value of wave impedance in reflection phase while designing digital PCBs? A. Width of signal lines B. Distance between signal line and ground line C. Signal Delays D. Double Pulsing	
Q 40.	Which factors contribute to the occurrence of mechanical stress? A. Resonance B. Cracked Solder Joints C. Both a and b D. None of the above	
Q 41.	QFP stands for A. Quick flat package B. Quad flat package C. Quick float package D. None of the above	
Q 42.	PN junction semiconductor diode has _____ junction/s. A. One B. Two C. Three D. Four	
Q 43.	Breadboard is used for _____. A. Claculation B. Compoent mounting C. Measurement D. None of the above	

Q 44.	Which solution is used for PCB etching. A. Ferric Chloride C. Hydrochloric acid B. Sodium hydroxide D. None of the above	
Q 45.	Number of junction present in the transistor is/ are _____. A. One C. Three B. Two D. None of the above	
Q 46.	Simulation softwares are used to _____. A. Execute circuit with the help of Computer C. To make PCB design B. Test circuit using hardware D. None of the above	
Q 47.	Gate terminal is present in _____. A. Diode C. FET B. Transistor D. None of the above	
Q 48.	Following is the example of Semiconductor. A. Copper C. Silicon B. Aluminium D. None of the above	
Q 49.	Unit for the measurement of Resistance is _____. A. Farad C. Henry B. Ohm D. None of the above	
Q 50.	Unit for the measurement of Capacitance is _____. A. Farad C. Henry B. Ohm D. None of the above	

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,

DHAMANGAON RLY

Department of Electronics

Certificate Course in

“Printed Circuit Board (PCB) Designing”

(2023-2024)

Result

Sr. No.	Roll no	Name of Student	Marks Obtained			Percentage	Division
			Theory	Practical	Total		
			100	50	150		
1.	101	Avinash G. Thakare	86	45	131	87.33%	First
2.	102	Dnyandip Thakare	82	46	128	85.33%	First
3.	103	Gayatri P. Gulnule	84	48	132	88%	First
4.	104	Komal K. Thakare	78	48	126	84%	First
5.	105	Mayuri S. Chavhan	86	46	132	88%	First
6.	106	Radhika N. Borundiya	92	48	140	93.33%	First
7.	107	Sahil S. Gawande	92	48	140	93.33%	First
8.	108	Saksham R. Hendve	80	47	127	84.66%	First
9.	109	Yash J. Nimkar	74	45	119	79.33%	First
10.	110	Yuktee R. Kucheriya	84	46	130	86.66%	First

Date: 06/11/2023



Mr. S. K. Shelke

Co-ordinator



Dr. Y. B. Gandole

Principal

ADARSHA SCIENCE,
J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY

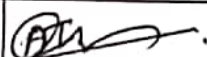
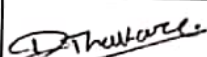
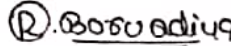
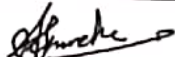
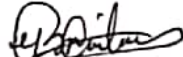
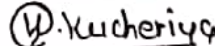
Department of Electronics

Certificate Course in

"Printed Circuit Board (PCB) Designing"

(2023-2024)

Certificate Distribution

Sr.No.	Roll No	Name	Percentage	Division	Signature
1	101	Avinash G. Thakare	87.33%	First	
2	102	Dnyandip Thakare	85.33%	First	
3	103	Gayatri P. Gulnule	88%	First	
4	104	Komal K. Thakare	84%	First	K.K. Thakare
5	105	Mayuri S. Chavhan	88%	First	
6	106	Radhika N. Borundiya	93.33%	First	
7	107	Sahil S. Gawande	93.33%	First	S.S. Gawande
8	108	Saksham R. Hendve	84.66%	First	
9	109	Yash J. Nimkar	79.33%	First	
10	110	Yuktee R. Kucheriya	86.66%	First	

Total Number of Certificates distributed: 10

Date: 07/11/2023


Mr. S. K. Shelke
Co-ordinator


Dr. Y. B. Gandole
Principal
Adarsha Science,
Jyotiba Phule Arts &
Birla Commerce Mahavidyalaya,
DHAMANGAON RLY

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

Department of Electronics

Certificate Course in

"Printed Circuit Board (PCB) Designing"

2023-2024

Report

Department had displayed notice for the admission to Certificate Course in Printed Circuit Board (PCB) Designing for the year 2023-2024 on 28th August 2023. The last date for the admission was 1st September 2023. The duration of this course was 3 months (1st September 2023 to 31st October 2023). Total 10 students were enrolled for this course. Theory and practical examination was conducted on 3rd November 2023 & 4th November 2023. Total 10 students were appeared for the exam. The result of the exam was 100%. The certificates were distributed to all passed students.

LIST OF STUDENTS

Sr. No.	Name of student
1	AVINASH G. THAKARE
2	DNYANDIP THAKARE
3	GAYATRI P. GULNULE
4	KOMAL K. THAKARE
5	MAYURI S. CHAVHAN
6	RADHIKA N. BORUNDIYA
7	SAHIL S. GAWANDE
8	SAKSHAM R. HENDVE
9	YASH J. NIMKAR
10	YUKTEE R. KUCHERIYA



Mr. S. K. Shelke

Co-ordinator



Dr. Y. B. Gandole

Principal

Adarsha Science,
Jairamdas Bhagchand Arts &
Birla Commerce Mahavidyalaya
DHAMANGAON Rly



Dhamangaon Education Society's

Adarsha Science, Jairamdas Bhagchand Arts and

Birla Commerce Mahavidyalaya

Dhamangaon (Rly), Dist. Amravati 444709 Maharashtra.

Affiliated to Sant Gadge Baba Amravati University, Amravati.

NAAC Re-Accredited Grade "A+" (CGPA 3.27)

CERTIFICATE

This is to certify that Mr./Ms. AVINASH G. THAKARE

has been successfully completed the prescribed course of studies and passed the Certificate

Course in Printed Circuit Board (PCB) Designing for the duration 04/09/2023 to

31/10/2023 (90 Hours) in First division during the year 2023-2024.

Mr. S. K. Shelke

Co-ordinator

Dr. Y. B. Gandole

Principal

A.M.V. Dhamangaon Rly.

Date: 07/11/2023

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

Department of Chemistry

**Certificate Course in
"Chromatography Techniques"**

Notice

Date: 18/12/2023

All the students of B.Sc. III year are hereby informed that, Department of Chemistry is organizing four months certificate course in "Chromatography Techniques" during 01st January 2024 to 30th April 2024.

Interested students can enroll their names for the course to Dr. H. P. Mungse on or before 28th December 2023.

Course details –

Duration of Course: 4 months

Mode of Course: Offline/online

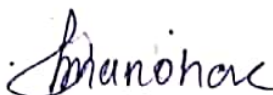
Timings: 10.00 – 11.00 am

Venue: Chemistry Lab



Course Coordinator

Assistant Professor
Department Of Chemistry
Adarsha Science, J.B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly



Head of Chemistry

Department

Head

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



Principal

Principal

Adarsha Science
Jairamesh Bhagchand Arts
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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

Department of Chemistry

Certificate Course in "Chromatography Techniques"

Time Table (2023-2024)

w.e.f.: 01/01/2024

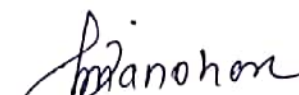
Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Theory	10.00 to 11.00 am	10.00 to 11.00 am	--	--	--	--
Practical	--	--	--	--	--	8.30 to 11.30 am



Course Coordinator

Assistant Professor

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



Head of Chemistry

Department
Head

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



Principal

Principal

Adarsha Science
Jairamdas Bhagchand Arts
Birla Commerce Mahavidyalaya
DHAMANGAON Rly.

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

Department of Chemistry

**Certificate Course in
"Chromatographic Techniques"**

Notice

Date: 12/04/2024

All the students are hereby informed that, schedule for the final examination for the certificate course in "Chromatographic Techniques" is as follows.

Sr. No.	Theory/ Practical	Date	Time	Marks
1.	Theory	19/04/2024	09.00 am -12.00 noon	100
2.	Practical	20/04/2024	09.00 am -12.00 noon	50

Course Coordinator
Assistant Professor
Department Of Chemistry
Adarsha Science, J.B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly

Head of Chemistry
Department
Head
Department Of Chemistry
Adarsha Science, J.B. Arts & Birla
Commerce Mahavidyalaya

Principal
Principal
Adarsha Science
Jairamesh Bhagchand Arts
Birla Commers Mahavidyalaya,
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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya
→ Dhamangaon Rly
Department of Chemistry
Theory Examination of Certificate Course on Chromatography
(Session: 2023-2024)

Time: 03.00 Hrs

Date: 19/04/2024

Max. Marks. 100

-
- | | |
|---|------|
| Q. 1. Explain principle and technique of column chromatography. | [10] |
| Q. 2. Explain (i) partition chromatography (ii) adsorption chromatography. | [10] |
| Q. 3. Give Applications of column chromatography. | [10] |
| Q. 4. Explain nature of paper and developing solvent used in paper chromatography. | [10] |
| Q. 5. Explain principle and technique of Thin-layer chromatography. | [10] |
| Q. 6. Give applications of Thin layer chromatography. | [10] |
| Q. 7. What is chromatography ? give classification of chromatographic techniques. | [10] |
| Q. 8. Explain principle and technique of paper chromatography. | [10] |
| Q. 9. Explain ion-exchange chromatography. | [10] |
| Q. 10. Explain need of chromatographic techniques. | [10] |

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

Department of Chemistry

**Certificate Course in
"Chromatographic Techniques"**

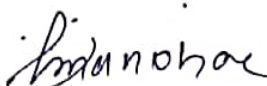
**Result .
(2023-2024)**

Sr. No.	Roll No.	Name	Marks Obtained			Percentage	Division
			Theory	Practical	Total		
			100	50	150		
1.	AB101	Arpan M. Ajmire	80	46	126	84.00	First
2.	AB102	Atharv P. Gawande	75	43	118	78.66	First
3.	AB103	Pawan P. Nagpure	73	45	118	78.66	First
4.	AB104	Prachi G. Borghate	70	43	113	75.33	First
5.	AB105	Prajwal N. Sonone	75	45	120	80.00	First
6.	AB106	Shravani M. Thakare	68	46	114	76.00	First
7.	AB107	Vrushali G. Kadu	72	42	114	76.00	First
8.	AB108	Roshan G. Shah	65	41	106	70.66	First



Course Coordinator

Assistant Professor
Department Of Chemistry
Adarsha Science, J.B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly



Head of Chemistry

Head
Department Of Chemistry
Adarsha Science, J.B. Arts & Birla
Commerce Mahavidyalaya
Dhamangaon Rly



Principal

Principal
Adarsha Science
Jairamdas Bhagchand Arts
Birla Commers Mahavidyalaya
DHAMANGAON Rly.

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

Department of Chemistry

Certificate Course in "Chromatographic Techniques"

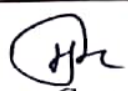
Summary Report (2023-24)

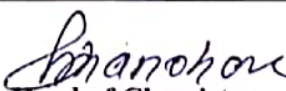
Certificate course in chromatographic techniques was designed by our department for B.Sc. III year students during year 2023-24. The goals and objectives of this course were to make students self sufficient with professional skills. 08 students were admitted for this course. Under this program, initially we have given the basic knowledge of chromatographic techniques and its applications in various field by taking lectures & showing videos. Then we have conducted hands on training on separation of various chemical components in a mixture with chromatographic techniques. This course was completed in four months (January – April 2024). The lectures on chromatographic techniques were conducted by four faculty members from our department. The theory and practical exam of this course was conducted on 19th April 2024 and 20th April 2024 respectively. All students were passed with first division and scored more than 75% Marks. The course certificates were distributed to all the successful students.

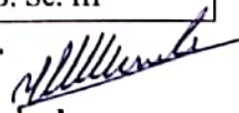
We are sure that, this course help to bridge the gap between theoretical and practical knowledge of chromatography. Furthermore, these practices help the students to develop skill so that they may get job in industrial sector.

List of admitted students for certificate course in chromatographic techniques during year 2023-2024

Sr. No.	Name of Student	Class
1.	Arpan M. Ajmire	B. Sc. III
2.	Atharv P. Gawande	B. Sc. III
3.	Pawan P. Nagpure	B. Sc. III
4.	Prachi G. Borghate	B. Sc. III
5.	Prajwal N. Sonone	B. Sc. III
6.	Shravani M. Thakare	B. Sc. III
7.	Vrushali G. Kadu	B. Sc. III
8.	Roshan G. Shah	B. Sc. III


Course Coordinator
Assistant Professor
Department Of Chemistry
Adarsha Science, J.B. Arts & Birla
Commerce Mahavidyalaya,
Dhamangaon Rly


Head of Chemistry
Department
Department Of Chemistry
Adarsha Science, J.B. Arts & Birla
Commerce Mahavidyalaya
Dhamangaon Rly


Principal
Principal
Adarsha Science
Jairamdas Bhagchand Arts
Birla Commers Mahavidyalay
DHAMANGAON Rly.

Syllabus Prescribed for Certificate Course in Chromatographic Techniques (Section A: Theory)

Unit 1. Introduction to chromatography

Definition of chromatography, types of chromatography, principle, development of chromatogram, propelling force, retarding force, R_f value, choice of solvent, qualitative and quantitative analysis by chromatography.

Unit 2. Paper chromatography

Introduction, principle of different migration, types of paper chromatography, choice of filter paper, preparation of the solution, application of the sample to the paper, role of locating reagents, experimental details for qualitative and quantitative analysis,

Unit 3. Thin-Layer Chromatography (TLC)

Introduction, superiority of TLC, preparation of plate, sample application, development of plate, choice of adsorbents, selection of solvent, locating reagents, applications of TLC, limitations.

Unit 4. Column Chromatography

Introduction, principle, instrumentation, column packing and detectors, operation of the column, experimental details, applications,

Unit 5. High Performance (Pressure) Liquid Chromatography (HPLC)

Introduction, principle, instrumentation, applications

Books Recommended

1. Y. R. Sharma
2. P. S. Kalasi
3. O. P. Agrawal
4. V. K. Srivastava and K. K. Srivastava

Laboratory experiments (Section B: Practicals)

1. Separation of Ni^{+2} and Cu^{2+} ions from mixture by paper chromatography
2. Separation of metal ions of group IV by chromatography
3. Separation of metallic ions of group IIA
4. Separation of metallic ions of group I
5. Separation of amino acids
6. Separation of dyes on silica gel
7. Separation of amino acids by TLC
8. Preparation of column



Dhamangaon Education Society's
(Hindi linguistic Minority Educational Institute)



Adarsha Science, J. B. Arts and Birla Commerce
Mahavidyalaya, Dhamangaon (Rly), Dist. Amravati (M.S.)
NAAC Accredited "A+" Grade (CGPA 3.27)

CERTIFICATE

This is to certify that Mr./Ms. Arpan M. Ajmire has successfully completed the prescribed course of studies and passed the certificate course in **Chromatography Techniques in First division** during the year **2023-2024**.

Dr. H. P. Mungse
Course Coordinator,

Dr. S. V. Manohare
Head of Chemistry
Department

Dr. Y. B. Gandole
Principal

Dr. H. P. Mungt.
Dr. S. V. Manohar
Dr. V. A. Sadafale
Dr. P. M. Kechre

Attendance Sheet of Certificate Course

Year 2023-2024

Name of Teachers:

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Department of Mathematics

Report (2023-24)

Certificate Course on Application of Equation Editor in Mathematics

The notice of Certificate Course on Application of Equation Editor in Mathematics was display on notice board. The last date for admission was 10 September 2023. The duration of the course was 30 hours. There were no registration fees for the course. Total 97 students enrolled for this course. The lectures and practical were started from 12/09/2023 to 04/10/2023. The theory and practical exam of the course was conducted on 12 and 13 October 2023 respectively. The results of the exam were 100%. The certificate was distributed after the exam results.

LIST OF STUDENTS ADMITTED FOR CERTIFICATE COURSE ON APPLICATION OF EQUATION EDITOR IN MATHEMATICS DURING THE YEAR 2023-24

Sr. No.	Name of the Students	Class
1	Ku. Manjusha Dnyaneshwarrao Pendam	B.Sc. I
2	Ku. Vaishnavi Bhaskarrao Deshmukh	B.Sc. I
3	Ku. Shrushti Rajendrarao Dhoble	B.Sc. I
4	Ku. Bhumika Subhash Rajankar	B.Sc. I
5	Ku. Ishwari Vilas Kalaskar	B.Sc. I
6	Ku. Payal Bhaskar Nimkar	B.Sc. I
7	Ku. Saniyafiza Sheikh Rahim	B.Sc. I
8	Ku. Vrushali Ganesh Bhujade	B.Sc. I
9	Ku. Pooja Ambadas Chaudhari	B.Sc. I
10	Ku. Revati Sanjay Bhende	B.Sc. I
11	Ku. Payal Rajendra Dhurve	B.Sc. I
12	Ku. Vedanti Wasudevrao Shivankar	B.Sc. I
13	Ku. Komal Rajendra Pande	B.Sc. I
14	Mr. Rushikesh Vijayrao Davedar	B.Sc. I
15	Ku. Samiksha Maheshwar Jadhao	B.Sc. I
16	Ku. Jannatparveen Shaikharif Husain	B.Sc. I

17	Ku. Karina Rajesh Gupta	B.Sc. I
18	Ku. Radhika Mahendra Jaiswal	B.Sc. I
19	Ku. Sakshi Sunil Khandare	B.Sc. I
20	Ku. Sejal Sunil Khakse	B.Sc. I
21	Ku. Anjali Ramesh Shiwankar	B.Sc. I
22	Ku. Anjshri Bimrao Kapse	B.Sc. I
23	Ku. Pranavi Ashokrao Gulhane	B.Sc. I
24	Mr. Rihit Santosh Sahare	B.Sc. I
25	Ku. Sakshi Ashok Kunjekar	B.Sc. I
26	Ku. Tanuja Vijay Pethe	B.Sc. I
27	Ku. Vrushali Balu Gabhane	B.Sc. I
28	Ku. Vaishanavi Atul Hande	B.Sc. I
29	Mr. Avinash Gajananrao Thakare	B.Sc. I
30	Ku. Samruddhi Anil Ingale	B.Sc. I
31	Mr. Yash Jitendra Nimkar	B.Sc. I
32	Mr. Vrushab Subhashrao Goupal	B.Sc. I
33	Mr. Mayur Kishor Wankhade	B.Sc. I
34	Mr. Rushikesh Ashokrao Punse	B.Sc. I
35	Ku. Vaishanavi Gajanan Khade	B.Sc. I
36	Ku. Yogita Digambar Rajankar	B.Sc. I
37	Mr. Dnyandeep P. Thakare	B.Sc. I
38	Ku. Trupti Shankarrao Pawar	B.Sc. I
39	Mr. Abhijit Madhukarrao Manohare	B.Sc. III
40	Mr. Atharva Pramod Gawande	B.Sc. III
41	Mr. Dikshant Sudhakarrrao Moon	B.Sc. III
42	Ku. Juhi Dashrath Uike	B.Sc. III
43	Ku. Komal Bharat Madavi	B.Sc. III
44	Ku. Maithili Rajabhau Ronghe	B.Sc. III
45	Mr. Naval Narendrarao Tondare	B.Sc. III
46	Ku. Prachi Nitinrao Deshmukh	B.Sc. III
47	Ku. Pranali Vilasrao Sonwane	B.Sc. III

48	Ku. Pratiksha Narendra Vyawahare	B.Sc. III
49	Mr. Roshan Gulab Shah	B.Sc. III
50	Mr. Rushikesh Narayan Rewade	B.Sc. III
51	Ku. SaniyaKausar Riyaz Khan	B.Sc. III
52	Ku. Sayali Sanjay Kamble	B.Sc. III
53	Mr. Shaikh Soyal Shaikh Karim	B.Sc. III
54	Ku. Shravani Vitthalrao Vidulkar	B.Sc. III
55	Ku. Tanvi Prashant Gandole	B.Sc. III
56	Ku. Tejaswini Govind Kapile	B.Sc. III
57	Mr. Vedant Manohar Thakare	B.Sc. III
58	Mr. Vikram Vilas Somkuwar	B.Sc. III
59	Ku. Pranali Vilasrao Sonwane	B.Sc. III
60	Ku. Akansha Sanjay Malode	B.Sc. II
61	Ku. Ashiyana Najir Shekh	B.Sc. II
62	Ku. Kalyani Rajesh Bansod	B.Sc. II
63	Ku. Kanchan Anil Ingale	B.Sc. II
64	Ku. Lina Umeshrao Jathe	B.Sc. II
65	Ku. Muskanparveen Sheikh Meheboob	B.Sc. II
66	Mr. Nishant Anil Gawali	B.Sc. II
67	Ku. Pallavi Prakash Hatwar	B.Sc. II
68	Ku. Priti Krushna Walke	B.Sc. II
69	Ku. Rasika Rajendra Nimkar	B.Sc. II
70	Mr. Rushikesh Vilasrao Ingole	B.Sc. II
71	Ku. Rutuja Rajesh Raut	B.Sc. II
72	Ku. Sakshi Rajendra Panchabuddhe	B.Sc. II
73	Mr. Shreejit Nileshrao Shisode	B.Sc. II
74	Ku. Sneha Rajesh Ramteke	B.Sc. II
75	Ku. Taniya Gajananrao Tekam	B.Sc. II
76	Ku. Vaishnavi Rameshwar Deoke	B.Sc. II
77	Mr. Vedant Nitin Hande	B.Sc. II
78	Ku. Swamini Sarave	B.Sc. II

79	Ku. Chhaya Ramasji Dandare	M.Sc. I
80	Ku. Pooja Diliprao Bhaise	M.Sc. I
81	Ku. Rutuja Rajendra Dakhore	M.Sc. I
82	Mr. Shubham Kamalkishor Purohit	M.Sc. I
83	Mr. Amit Haridas Dambale	M.Sc. I
84	Ku. Pranjali Narayanrao Sabale	M.Sc. I
85	Ku. Achal Sharad Jagtap	M.Sc. II
86	Ku. Akansha Dineshrao Gawande	M.Sc. II
87	Ku. Ankita Diliprao Hiwarkar	M.Sc. II
88	Ku. Aparna Vijayrao Bobade	M.Sc. II
89	Ku. Madhuri Prathamraj Bhamkar	M.Sc. II
90	Ku. Manisha Madhukarrao Nimkar	M.Sc. II
91	Ku. Nishigandha Subhashrao Kannake	M.Sc. II
92	Ku. Prajakta Gajananrao Kadu	M.Sc. II
93	Mr. Pritam Prakashrao Ingole	M.Sc. II
94	Ku. Priyanka Ghanshyam Borkar	M.Sc. II
95	Mr. Swapnil Shridhar Pataliya	M.Sc. II
96	Ku. Tejal Narendra Hande	M.Sc. II
97	Ku. Vaishnavi Khushalrao Ronghe	M.Sc. II


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

**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon Rly, Dist: Amravati**

**Department of Mathematics
Session 2023-2024**

NOTICE

Date: 01/09/2023

All the students of B.Sc. I, II, & III (Mathematics) and M.Sc. I, II (Mathematics) are hereby informed that Department of Mathematics organize "Certificate Course on Application of Equation Editor in Mathematics" during 12/09/2023 to 04/10/2023. So interested students can enrol their names for the course up to 11/09/2023.

- There will be no registration fees for the course.
- Certificate will be issued to the successful students.


Dr. A. N. Rangari
(Co-ordinator)
Department of Mathematics


Dr. S. N. Bayaskar
Head,
Department of mathematics


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

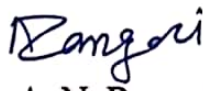
**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon Rly, Dist: Amravati**

**Department of Mathematics
Session 2023-2024**

**Certificate Course on Application of Equation Editor
in Mathematics**

TIME TABLE

Day	9:00 to 10:00 am	10:00 to 11:00 am
Monday	M.Sc. (ADV)	B.Sc. (ANR)
Tuesday	M.Sc. (RSK)	B.Sc. (SNB)
Wednesday	M.Sc. (ANR)	B.Sc. (RSK)
Thursday	M.Sc. (SPM)	B.Sc. (ADV)
Friday	M.Sc. (SA)	B.Sc. (ANR)
Saturday	M.Sc. (ANR)	B.Sc. (SNB)


Dr. A. N. Rangari
(Co-ordinator)
Department of Mathematics


Dr. S. N. Bayaskar
Head,
Department of Mathematics

**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon Rly, Dist: Amravati**

**Department of Mathematics
Session 2023-2024**

EXAMINATION NOTICE

Date: 21/09/2023

All the participants of Certificate course on application of Equation editor in Mathematics are hereby informed that the examination of the course will be held on 12 October to 13 October 2023. So, all the participants need to present for the examination.

Sr. No.	Date	Time
B.Sc. (Mathematics)	12/10/2023	4:00 to 6:00 pm
M.Sc. (Mathematics)	13/10/2023	3:00 to 5:00 pm.


Dr. A. N. Rangari
(Co-ordinator)
Department of Mathematics


Dr. S. N. Bayaskar
Head,
Department of mathematics


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

**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon Rly, Dist: Amravati**

**Department of Mathematics
Session 2023-2024**

**Certificate Course on Application of Equation Editor
in Mathematics
(12 September 2023 to 04 October 2023)**

List of Students Admitted

Sr. No.	Name of the Students	Class
1	Ku. Manjusha Dnyaneshwarrao Pendam	B.Sc. I
2	Ku. Vaishnavi Bhaskarrao Deshmukh	B.Sc. I
3	Ku. Shrushti Rajendrarao Dhoble	B.Sc. I
4	Ku. Bhumika Subhash Rajankar	B.Sc. I
5	Ku. Ishwari Vilas Kalaskar	B.Sc. I
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14	Mr. Rushikesh Vijayrao Davedar	B.Sc. I
15	Ku. Samiksha Maheshwar Jadhao	B.Sc. I
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17	Ku. Karina Rajesh Gupta	B.Sc. I
18	Ku. Radhika Mahendra Jaiswal	B.Sc. I
19	Ku. Sakshi Sunil Khandare	B.Sc. I
20	Ku. Sejal Sunil Khakse	B.Sc. I
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53	Mr. Shaikh Soyal Shaikh Karim	B.Sc. III
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59	Ku. Pranali Vilasrao Sonwane	B.Sc. III
60	Ku. Akansha Sanjay Malode	B.Sc. II
61	Ku. Ashiyana Najir Shekh	B.Sc. II
62	Ku. Kalyani Rajesh Bansod	B.Sc. II
63	Ku. Kanchan Anil Ingale	B.Sc. II
64	Ku. Lina Umeshrao Jathe	B.Sc. II
65	Ku. Muskanparveen Sheikh Meheboob	B.Sc. II
66	Mr. Nishant Anil Gawali	B.Sc. II
67	Ku. Pallavi Prakash Hatwar	B.Sc. II
68	Ku. Priti Krushna Walke	B.Sc. II
69	Ku. Rasika Rajendra Nimkar	B.Sc. II
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71	Ku. Rutuja Rajesh Raut	B.Sc. II
72	Ku. Sakshi Rajendra Panchabuddhe	B.Sc. II
73	Mr. Shreejit Nileshrao Shisode	B.Sc. II
74	Ku. Sneha Rajesh Ramteke	B.Sc. II
75	Ku. Taniya Gajananrao Tekam	B.Sc. II
76	Ku. Vaishnavi Rameshwar Deoke	B.Sc. II
77	Mr. Vedant Nitin Hande	B.Sc. II
78	Ku. Swamini Sarave	B.Sc. II
79	Ku. Chhaya Ramasji Dandare	M.Sc. I
80	Ku. Pooja Diliprao Bhaise	M.Sc. I

81	Ku. Rutuja Rajendra Dakhore	M.Sc. I
82	Mr. Shubham Kamalkishor Purohit	M.Sc. I
83	Mr. Amit Haridas Dambale	M.Sc. I
84	Ku. Pranjali Narayanrao Sabale	M.Sc. I
85	Ku. Achal Sharad Jagtap	M.Sc. II
86	Ku. Akansha Dineshrao Gawande	M.Sc. II
87	Ku. Ankita Diliprao Hiwarkar	M.Sc. II
88	Ku. Aparna Vijayrao Bobade	M.Sc. II
89	Ku. Madhuri Prathamraj Bhamkar	M.Sc. II
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93	Mr. Pritam Prakashrao Ingole	M.Sc. II
94	Ku. Priyanka Ghanshyam Borkar	M.Sc. II
95	Mr. Swapnil Shridhar Pataliya	M.Sc. II
96	Ku. Tejal Narendra Hande	M.Sc. II
97	Ku. Vaishnavi Khushalrao Ronghe	M.Sc. II

Male :- 25

Female :- 72

**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon Rly, Dist: Amravati**

**Department of Mathematics
Session 2023-2024**

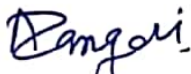
**Certificate Course on Application of Equation Editor
in Mathematics (12/09/2023 to 04/10/2023)**

RESULT

Sr. No.	Name of the Students	Class	Result	% of Marks
1	Ku. Manjusha Dnyaneshwarrao Pendam	B.Sc. I	Pass	95 %
2	Ku. Vaishnavi Bhaskarrao Deshmukh	B.Sc. I	Pass	90 %
3	Ku. Shrushti Rajendrarao Dhoble	B.Sc. I	Pass	86 %
4	Ku. Bhumika Subhash Rajankar	B.Sc. I	Pass	92 %
5	Ku. Ishwari Vilas Kalaskar	B.Sc. I	Pass	95 %
6	Ku. Payal Bhaskar Nimkar	B.Sc. I	Pass	90 %
7	Ku. Saniyafiza Sheikh Rahim	B.Sc. I	Pass	92 %
8	Ku. Vrushali Ganesh Bhujade	B.Sc. I	Pass	85 %
9	Ku. Pooja Ambadas Chaudhari	B.Sc. I	Pass	80 %
10	Ku. Revati Sanjay Bhende	B.Sc. I	Pass	82 %
11	Ku. Payal Rajendra Dhurve	B.Sc. I	Pass	80 %
12	Ku. Vedanti Wasudevrao Shivankar	B.Sc. I	Pass	95 %
13	Ku. Komal Rajendra Pande	B.Sc. I	Pass	90 %
14	Mr. Rushikesh Vijayrao Davedar	B.Sc. I	Pass	75 %
15	Ku. Samiksha Maheshwar Jadhao	B.Sc. I	Pass	80 %
16	Ku. Jannatparveen Shaikharif Husain	B.Sc. I	Pass	96 %
17	Ku. Karina Rajesh Gupta	B.Sc. I	Pass	80 %
18	Ku. Radhika Mahendra Jaiswal	B.Sc. I	Pass	85 %
19	Ku. Sakshi Sunil Khandare	B.Sc. I	Pass	78 %
20	Ku. Sejal Sunil Khakse	B.Sc. I	Pass	88 %
21	Ku. Anjali Ramesh Shiwankar	B.Sc. I	Pass	85 %
22	Ku. Anjshri Bimrao Kapse	B.Sc. I	Pass	80 %
23	Ku. Pranavi Ashokrao Gulhane	B.Sc. I	Pass	95 %
24	Mr. Rihit Santosh Sahare	B.Sc. I	Pass	90 %
25	Ku. Sakshi Ashok Kunjekar	B.Sc. I	Pass	86 %
26	Ku. Tanuja Vijay Pethe	B.Sc. I	Pass	82 %
27	Ku. Vrushali Balu Gabhane	B.Sc. I	Pass	86 %
28	Ku. Vaishnavi Atul Hande	B.Sc. I	Pass	80 %
29	Mr. Avinash Gajananrao Thakare	B.Sc. I	Pass	80 %
30	Ku. Samruddhi Anil Ingale	B.Sc. I	Pass	85 %
31	Mr. Yash Jitendra Nimkar	B.Sc. I	Pass	90 %
32	Mr. Vrushab Subhashrao Goupal	B.Sc. I	Pass	70 %

33	Mr. Mayur Kishor Wankhade	B.Sc. I	Pass	70 %
34	Mr. Rushikesh Ashokrao Punse	B.Sc. I	Pass	75 %
35	Ku. Vaishnavi Gajanan Khade	B.Sc. I	Pass	80 %
36	Ku. Yogita Digambar Rajankar	B.Sc. I	Pass	85 %
37	Mr. Dnyandeep P. Thakare	B.Sc. I	Pass	80 %
38	Ku. Trupti Shankarrao Pawar	B.Sc. I	Pass	82 %
39	Mr. Abhijit Madhukarrao Manohare	B.Sc. III	Pass	90 %
40	Mr. Atharva Pramod Gawande	B.Sc. III	Pass	90 %
41	Mr. Dikshant Sudhakar Rao Moon	B.Sc. III	Pass	85 %
42	Ku. Juhi Dashrath Uike	B.Sc. III	Pass	95 %
43	Ku. Komal Bharat Madavi	B.Sc. III	Pass	94 %
44	Ku. Maithili Rajabhau Ronghe	B.Sc. III	Pass	95 %
45	Mr. Naval Narendrarao Tondare	B.Sc. III	Pass	75 %
46	Ku. Prachi Nitinrao Deshmukh	B.Sc. III	Pass	95 %
47	Ku. Pranali Vilasrao Sonwane	B.Sc. III	Pass	80 %
48	Ku. Pratiksha Narendra Vyawahare	B.Sc. III	Pass	90 %
49	Mr. Roshan Gulab Shah	B.Sc. III	Pass	80 %
50	Mr. Rushikesh Narayan Rewade	B.Sc. III	Pass	75 %
51	Ku. Saniya Kausar Riyaz Khan	B.Sc. III	Pass	95 %
52	Ku. Sayali Sanjay Kamble	B.Sc. III	Pass	76 %
53	Mr. Shaikh Soyal Shaikh Karim	B.Sc. III	Pass	85 %
54	Ku. Shravani Vitthalrao Vidulkar	B.Sc. III	Pass	90 %
55	Ku. Tanvi Prashant Gandole	B.Sc. III	Pass	85 %
56	Ku. Tejaswini Govind Kapile	B.Sc. III	Pass	90 %
57	Mr. Vedant Manohar Thakare	B.Sc. III	Pass	90 %
58	Mr. Vikram Vilas Somkuwar	B.Sc. III	Pass	90 %
59	Ku. Pranali Vilasrao Sonwane	B.Sc. III	Pass	85 %
60	Ku. Akansha Sanjay Malode	B.Sc. II	Pass	96 %
61	Ku. Ashiyana Najir Shekh	B.Sc. II	Pass	90 %
62	Ku. Kalyani Rajesh Bansod	B.Sc. II	Pass	86 %
63	Ku. Kanchan Anil Ingale	B.Sc. II	Pass	88 %
64	Ku. Lina Umeshrao Jathe	B.Sc. II	Pass	86 %
65	Ku. Muskanparveen Sheikh Meheboob	B.Sc. II	Pass	80 %
66	Mr. Nishant Anil Gawali	B.Sc. II	Pass	90 %
67	Ku. Pallavi Prakash Hatwar	B.Sc. II	Pass	90 %
68	Ku. Priti Krushna Walke	B.Sc. II	Pass	80 %
69	Ku. Rasika Rajendra Nimkar	B.Sc. II	Pass	95 %
70	Mr. Rushikesh Vilasrao Ingole	B.Sc. II	Pass	80 %
71	Ku. Rutuja Rajesh Raut	B.Sc. II	Pass	85 %
72	Ku. Sakshi Rajendra Panchabuddhe	B.Sc. II	Pass	90 %
73	Mr. Shreejit Nileshrao Shisode	B.Sc. II	Pass	85 %
74	Ku. Sneha Rajesh Ramteke	B.Sc. II	Pass	90 %
75	Ku. Taniya Gajananrao Tekam	B.Sc. II	Pass	95 %
76	Ku. Vaishnavi Rameshwar Deoke	B.Sc. II	Pass	96 %
77	Mr. Vedant Nitin Hande	B.Sc. II	Pass	92 %
78	Ku. Swamini Sarave	B.Sc. II	Pass	95 %
79	Ku. Chhaya Ramasji Dandare	M.Sc. I	Pass	90 %
80	Ku. Pooja Diliprao Bhaise	M.Sc. I	Pass	92 %

81	Ku. Rutuja Rajendra Dakhore	M.Sc. I	Pass	92 %
82	Mr. Shubham Kamalkishor Purohit	M.Sc. I	Pass	96 %
83	Mr. Amit Haridas Dambale	M.Sc. I	Pass	84 %
84	Ku. Pranjali Narayanrao Sabale	M.Sc. I	Pass	80 %
85	Ku. Achal Sharad Jagtap	M.Sc. II	Pass	96 %
86	Ku. Akansha Dineshrao Gawande	M.Sc. II	Pass	95 %
87	Ku. Ankita Diliprao Hiwarkar	M.Sc. II	Pass	90 %
88	Ku. Aparna Vijayrao Bobade	M.Sc. II	Pass	85 %
89	Ku. Madhuri Prathamraj Bhamkar	M.Sc. II	Pass	95 %
90	Ku. Manisha Madhukarrao Nimkar	M.Sc. II	Pass	90 %
91	Ku. Nishigandha Subhashrao Kannake	M.Sc. II	Pass	90 %
92	Ku. Prajakta Gajananrao Kadu	M.Sc. II	Pass	90 %
93	Mr. Pritam Prakashrao Ingole	M.Sc. II	Pass	88 %
94	Ku. Priyanka Ghanshyam Borkar	M.Sc. II	Pass	80 %
95	Mr. Swapnil Shridhar Pataliya	M.Sc. II	Pass	80 %
96	Ku. Tejal Narendra Hande	M.Sc. II	Pass	90 %
97	Ku. Vaishnavi Khushalrao Ronghe	M.Sc. II	Pass	90 %


Dr. A. N. Rangari
(Co-ordinator)
Department of Mathematics


Dr. S. N. Bayaskar
Head,
Department of Mathematics

**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon Rly, Dist: Amravati**

**Department of Mathematics
Session 2023-2024**

**Certificate Course on Application of Equation Editor
in Mathematics (12/09/2023 to 04/10/2023)**

List of Students Participated

Sr. No.	Name of the Students	Class	Signature
1	Ku. Manjusha Dnyaneshwarrao Pendam	B.Sc. I	m. d. pendam
2	Ku. Vaishnavi Bhaskarrao Deshmukh	B.Sc. I	Beshmukh
3	Ku. Shrushti Rajendrarao Dhoble	B.Sc. I	S. R. Dhoble
4	Ku. Bhumika Subhash Rajankar	B.Sc. I	B. S. Rajankar
5	Ku. Ishwari Vilas Kalaskar	B.Sc. I	Kalaskar
6	Ku. Payal Bhaskar Nimkar	B.Sc. I	Nimkar
7	Ku. Saniyafiza Sheikh Rahim	B.Sc. I	Saniya Fiza
8	Ku. Vrushali Ganesh Bhujade	B.Sc. I	Bhujade
9	Ku. Pooja Ambadas Chaudhari	B.Sc. I	Pooja A. Chaudhari
10	Ku. Revati Sanjay Bhende	B.Sc. I	Bhende
11	Ku. Payal Rajendra Dhurve	B.Sc. I	P. R. Dhurve
12	Ku. Vedanti Wasudevrao Shivankar	B.Sc. I	Vedanti
13	Ku. Komal Rajendra Pande	B.Sc. I	KPande
14	Mr. Rushikesh Vijayrao Davedar	B.Sc. I	R. Davedar
15	Ku. Samiksha Maheshwar Jadhao	B.Sc. I	S. M. Jadhao
16	Ku. Jannatparveen Shaikharif Husain	B.Sc. I	Jannat Husain
17	Ku. Karina Rajesh Gupta	B.Sc. I	R. Gupta
18	Ku. Radhika Mahendra Jaiswal	B.Sc. I	R. Jaiswal
19	Ku. Sakshi Sunil Khandare	B.Sc. I	S. S. Khandare
20	Ku. Sejal Sunil Khakse	B.Sc. I	S. Khakse
21	Ku. Anjali Ramesh Shiwankar	B.Sc. I	A. Shiwankar
22	Ku. Anjshri Bimrao Kapse	B.Sc. I	A. Kapse
23	Ku. Pranavi Ashokrao Gulhane	B.Sc. I	P. Gulhane
24	Mr. Rihit Santosh Sahare	B.Sc. I	R. Sahare
25	Ku. Sakshi Ashok Kunjekar	B.Sc. I	S. Kunjekar
26	Ku. Tanuja Vijay Pethe	B.Sc. I	T. Pethe
27	Ku. Vrushali Balu Gabhane	B.Sc. I	V. Gabhane
28	Ku. Vaishnavi Atul Hande	B.Sc. I	V. Hande
29	Mr. Avinash Gajananrao Thakare	B.Sc. I	A. Thakare
30	Ku. Samruddhi Anil Ingale	B.Sc. I	S. A. Ingale
31	Mr. Yash Jitendra Nimkar	B.Sc. I	Y. Nimkar
32	Mr. Vrushab Subhashrao Goupal	B.Sc. I	V. Goupal
33	Mr. Mayur Kishor Wankhade	B.Sc. I	M. Wankhade

34	Mr. Rushikesh Ashokrao Punse	B.Sc. I	Rapun
35	Ku. Vaishnavi Gajanan Khade	B.Sc. I	Khade
36	Ku. Yogita Digambar Rajankar	B.Sc. I	Y.D. Rajankar
37	Mr. Dnyandeep P. Thakare	B.Sc. I	D. Thakare
38	Ku. Trupti Shankarrao Pawar	B.Sc. I	T. Pawar
39	Mr. Abhijit Madhukarrao Manohare	B.Sc. III	A. Manohare
40	Mr. Atharva Pramod Gawande	B.Sc. III	A.P. Gawande
41	Mr. Dikshant Sudhakar Rao Moon	B.Sc. III	D. Moon
42	Ku. Juhi Dashrath Uike	B.Sc. III	J. Uike
43	Ku. Komal Bharat Madavi	B.Sc. III	K. Madavi
44	Ku. Maithili Rajabhai Ronghe	B.Sc. III	M. Ronghe
45	Mr. Naval Narendrarao Tondare	B.Sc. III	N. Tondare
46	Ku. Prachi Nitinrao Deshmukh	B.Sc. III	P. Deshmukh
47	Ku. Pranali Vilasrao Sonwane	B.Sc. III	P.V. Sonwane
48	Ku. Pratiksha Narendra Vyawahare	B.Sc. III	P.N. Vyawahare
49	Mr. Roshan Gulab Shah	B.Sc. III	R. Shah
50	Mr. Rushikesh Narayan Rewade	B.Sc. III	R. Rewade
51	Ku. Saniya Kausar Riyaz Khan	B.Sc. III	S. Khan
52	Ku. Sayali Sanjay Kamble	B.Sc. III	S. Kamble
53	Mr. Shaikh Soyal Shaikh Karim	B.Sc. III	S. Shaikh
54	Ku. Shravani Vitthalrao Vidulkar	B.Sc. III	S. Vidulkar
55	Ku. Tanvi Prashant Gandole	B.Sc. III	T. Gandole
56	Ku. Tejaswini Govind Kapile	B.Sc. III	T. Kapile
57	Mr. Vedant Manohar Thakare	B.Sc. III	V. Thakare
58	Mr. Vikram Vilas Somkuwar	B.Sc. III	V. Somkuwar
59	Ku. Pranali Vilasrao Sonwane	B.Sc. III	P.V. Sonwane
60	Ku. Akansha Sanjay Malode	B.Sc. II	A. Malode
61	Ku. Ashiyana Najir Shekh	B.Sc. II	A. Shekh
62	Ku. Kalyani Rajesh Bansod	B.Sc. II	K. Bansod
63	Ku. Kanchan Anil Ingale	B.Sc. II	K. Ingale
64	Ku. Lina Umeshrao Jathe	B.Sc. II	L.U. Jathe
65	Ku. Muskanparveen Sheikh Meheboob	B.Sc. II	M. Meheboob
66	Mr. Nishant Anil Gawali	B.Sc. II	N. Gawali
67	Ku. Pallavi Prakash Hatwar	B.Sc. II	P. Hatwar
68	Ku. Priti Krushna Walke	B.Sc. II	P. Walke
69	Ku. Rasika Rajendra Nimkar	B.Sc. II	R. Nimkar
70	Mr. Rushikesh Vilasrao Ingole	B.Sc. II	R. Ingole
71	Ku. Rutuja Rajesh Raut	B.Sc. II	R. Raut
72	Ku. Sakshi Rajendra Panchabuddhe	B.Sc. II	S.R. Panchabuddhe
73	Mr. Shreejit Nileshrao Shisode	B.Sc. II	S. Shisode
74	Ku. Sneha Rajesh Ramteke	B.Sc. II	S.R. Ramteke
75	Ku. Taniya Gajananrao Tekam	B.Sc. II	T. Tekam
76	Ku. Vaishnavi Rameshwar Deoke	B.Sc. II	V. Deoke
77	Mr. Vedant Nitin Hande	B.Sc. II	V. Hande
78	Ku. Swamini Sarave	B.Sc. II	S. Sarave
79	Ku. Chhaya Ramasji Dandare	M.Sc. I	C. Dandare
80	Ku. Pooja Diliprao Bhaise	M.Sc. I	P. Bhaise
81	Ku. Rutuja Rajendra Dakhore	M.Sc. I	R. Dakhore

82	Mr. Shubham Kamalkishor Purohit	M.Sc. I	<u>Shubhit</u>
83	Mr. Amit Haridas Dambale	M.Sc. I	<u>Ambale</u>
84	Ku. Pranjali Narayanrao Sabale	M.Sc. I	<u>Rsabale</u>
85	Ku. Achal Sharad Jagtap	M.Sc. II	<u>AJagtap</u>
86	Ku. Akansha Dineshrao Gawande	M.Sc. II	<u>AGawande</u>
87	Ku. Ankita Diliprao Hiwarkar	M.Sc. II	<u>AHiwarkar</u>
88	Ku. Aparna Vijayrao Bobade	M.Sc. II	<u>ABobade</u>
89	Ku. Madhuri Prathamraj Bhamkar	M.Sc. II	<u>MBhamkar</u>
90	Ku. Manisha Madhukarrao Nimkar	M.Sc. II	<u>MNimkar</u>
91	Ku. Nishigandha Subhashrao Kannake	M.Sc. II	<u>NSkake</u>
92	Ku. Prajakta Gajananrao Kadu	M.Sc. II	<u>PKadu</u>
93	Mr. Pritam Prakashrao Ingole	M.Sc. II	<u>PIngole</u>
94	Ku. Priyanka Ghanshyam Borkar	M.Sc. II	<u>PBorkar</u>
95	Mr. Swapnil Shridhar Pataliya	M.Sc. II	<u>SPataliya</u>
96	Ku. Tejal Narendra Hande	M.Sc. II	<u>THande</u>
97	Ku. Vaishnavi Khushalrao Ronghe	M.Sc. II	<u>V.Ronghe</u>

Ronghe
(Dr. A. N. Ronghe)

**Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon Rly, Dist: Amravati**

**Department of Mathematics
Session 2023-2024**

**Certificate Course on Application of Equation Editor
in Mathematics (12/09/2023 to 04/10/2023)**

Attendance of Participated Students

Sr. No.	Name of the Students	Date															
		12 9	13 9	14 9	15 9	16 9	18 9	20 9	21 9	23 9	25 9	26 9	27 9	28 9	30 9	3 10	4 10
1	Ku. Manjusha Dnyaneshwarrao Pendam	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
2	Ku. Vaishnavi Bhaskarrao Deshmukh	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Ku. Shrushti Rajendrarao Dhoble	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Ku. Bhumika Subhash Rajankar	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
5	Ku. Ishwari Vilas Kalaskar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Ku. Payal Bhaskar Nimkar	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
7	Ku. Saniyafiza Sheikh Rahim	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Ku. Vrushali Ganesh Bhujade	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
9	Ku. Pooja Ambadas Chaudhari	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
10	Ku. Revati Sanjay Bhende	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
11	Ku. Payal Rajendra Dhurve	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
12	Ku. Vedanti Wasudevrao Shivankar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Ku. Komal Rajendra Pande	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
14	Mr. Rushikesh Vijayrao Davedar	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
15	Ku. Samiksha Maheshwar Jadhao	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Ku. Jannatparveen Shaikharif Husain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Ku. Karina Rajesh Gupta	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P
18	Ku. Radhika Mahendra Jaiswal	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
19	Ku. Sakshi Sunil Khandare	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
20	Ku. Sejal Sunil Khakse	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
21	Ku. Anjali Ramesh Shiwankar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Ku. Anjshri Bimrao Kapse	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
23	Ku. Pranavi Ashokrao Gulhane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
24	Mr. Rihit Santosh Sahare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Ku. Sakshi Ashok Kunjekar	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
26	Ku. Tanuja Vijay Pethe	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
27	Ku. Vrushali Balu Gabhane	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P
28	Ku. Vaishanavi Atul Hande	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P
29	Mr. Avinash Gajananrao Thakare	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
30	Ku. Samruddhi Anil Ingale	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Mr. Yash Jitendra Nimkar	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
32	Mr. Vrushab Subhashrao Goupal	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P

	12/9	13	14	15	16	18	20	21	23	25	26	27	28	30	31/9	4/10
Mr. Mayur Kishor Wankhade	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
Mr. Rushikesh Ashokrao Punse	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
Ku. Vaishnavi Gajanan Khade	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
Ku. Yogita Digambar Rajankar	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
Mr. Dnyandeep P. Thakare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Trupti Shankarrao Pawar	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
Mr. Abhijit Madhukarrao Manohare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Mr. Atharva Pramod Gawande	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
Mr. Dikshant Sudhakararrao Moon	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P
Ku. Juhi Dashrath Uike	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Komal Bharat Madavi	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
Ku. Maithili Rajabhau Ronghe	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P
Mr. Naval Narendrarao Tondare	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
Ku. Prachi Nitinrao Deshmukh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Pranali Vilasrao Sonwane	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P
Ku. Pratiksha Narendra Vyawahare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Mr. Roshan Gulab Shah	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
Mr. Rushikesh Narayan Rewade	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
Ku. SaniyaKausar Riyaz Khan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Sayali Sanjay Kamble	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A
Mr. Shaikh Soyal Shaikh Karim	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
Ku. Shravani Vitthalrao Vidulkar	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P
Ku. Tanvi Prashant Gandole	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Tejaswini Govind Kapile	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Mr. Vedant Manohar Thakare	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
Mr. Vikram Vilas Somkuwar	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
Ku. Pranali Vilasrao Sonwane	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
Ku. Akansha Sanjay Malode	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Ashiyana Najir Shekh	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
Ku. Kalyani Rajesh Bansod	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Kanchan Anil Ingale	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
Ku. Lina Umeshrao Jathe	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
Ku. Muskanparveen Sheikh Meheboob	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
Mr. Nishant Anil Gawali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Pallavi Prakash Hatwar	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
Ku. Priti Krushna Walke	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
Ku. Rasika Rajendra Nimkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Mr. Rushikesh Vilasrao Ingole	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	A
Ku. Rutuja Rajesh Raut	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Sakshi Rajendra Panchabuddhe	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P
Mr. Shreejit Nileshrao Shisode	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
Ku. Sneha Rajesh Ramteke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Taniya Gajananrao Tekam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Vaishnavi Rameshwar Deoke	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
Mr. Vedant Nitin Hande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Swamini Sarave	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Chhaya Ramasji Dandare	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P
Ku. Pooja Diliprao Bhaise	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P

	12	13	14	15	16	18	20	21	23	25	26	27	28	30	3	4
Ku. Rutuja Rajendra Dakhore	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
Mr. Shubham Kamalkishor Purohit	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Mr. Amit Haridas Dambale	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Pranjali Narayanrao Sabale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Achal Sharad Jagtap	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Akansha Dineshrao Gawande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Ankita Diliprao Hiwarkar	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Aparna Vijayrao Bobade	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
Ku. Madhuri Prathamraj Bhamkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Manisha Madhukarrao Nimkar	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
Ku. Nishigandha Subhashrao Kannake	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Prajakta Gajananrao Kadu	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
Mr. Pritam Prakashrao Ingole	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Priyanka Ghanshyam Borkar	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
Mr. Swapnil Shridhar Pataliya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Tejal Narendra Hande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ku. Vaishnavi Khushalrao Ronghe	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Rangai
(Dr. A. N. Rangai)


(Dr. S. N. Bayaskar)

Question paper

1) Let f and g are integrable, then

i) af is integrable, and $\int af \, dx = a \int f \, dx$

ii) $f+g$ is integrable and $\int f + g \, dx = \int f \, dx + \int g \, dx$

iii) If $f=0$ a.e. then $\int f \, dx = 0$

iv) If $f \leq g$ a.e. then $\int f \, dx \leq \int g \, dx$.

2) $\int_0^x 3^{x-t} y(t) dt = x$

3) $K(x,t) = \begin{cases} \frac{1}{2}x(2-t), & 0 \leq x \leq t \\ \frac{1}{2}t(2-x), & t \leq x \leq 1 \end{cases}$

4) $y''(x) - 3y'(x) + 2y(x) = 4\sin x$

5) $y(x) - \frac{\pi^2}{4} \int_0^1 K(x,t)y(t)dt = \frac{x}{2}$

6) $\begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{pmatrix}$

7)

$$y_{xx} = 4y_{tt}$$

$$-\infty < x < \infty, t > 0$$

$$y(x,0) = 0$$

$$y_t(x,0) = 8\sin 2x$$

1) $A^c = U - A = \{x : x \in U \text{ and } x \notin A\}$

2) $A - (B \cap C) = (A - B) \cup (A - C)$

3) $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$

4) $S = a + (a + d)r + (a + 2d)r^2 + (a + 3d)r^3 + \dots$

4) $A = \pi r^2$

5) x_{y^2}

6) $\prod_{n=1}^{100} 3n$

7) $\int_0^\pi \sin x \, dx$

$$8) a^2 + b^2 = c^2$$

$$9) \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$

$$1) (x + a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$$

$$2) (1 + x)^n = 1 + \frac{nx}{1!} + \frac{n(n-1)x^2}{2!} + \dots$$

$$3) f(x) = a_0 + \sum_{n=1}^{\infty} \left(a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right)$$

$$4) x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$5) e^x = 1 + \frac{x}{1!} + \frac{x^2}{2!} + \frac{x^3}{3!} + \dots, -\infty < x < \infty$$

$$6) \sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$$

$$7) \cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$$

$$8) \sqrt{a^2 + b^2}$$

$$9) \frac{dy}{dx}$$

$$10) \int_1^2 \cos x \, dx$$



Dhamangaon Education Society's
(Hindi Linguistic Minority Educational Institution)

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

NAAC REACCREDITED GRADE 'A+' (CGPA 3.27)

DEPARTMENT OF MATHEMATICS

Certificate on Application of Equation Editor in Mathematics

CERTIFICATE

This is to certify that *Ku. Jannatparveen Husain, of B.Sc. I* has participated in the "Certificate Course on Application of Equation Editor in Mathematics" Organized by Department of Mathematics, Adarsha Science, Jairamdas Bhagchand Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly. Dist. Amravati during 12/09/2023 to 04/10/2023.

Dangari
Dr. A. N. Rangari
Co-ordinator
Department of Mathematics
Adarsha Science, J.B. Arts & Birla Commerce
Mahavidyalaya, Dhamangaon Rly.

Dr. S. N. Bayaskar
Dr. S. N. Bayaskar
Head
Department of Mathematics
Adarsha Science, J.B. Arts & Birla Commerce
Mahavidyalaya, Dhamangaon Rly.

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

CERTIFICATE COURSE IN VERMICOMPOSTING

REPORT (ACADEMIC YEAR 2023-24)

The Departments of Zoology and Botany of our esteemed college successfully conducted a Certificate Course in Vermicomposting under the Skill Development Courses initiative. This initiative is a vital component of the college's commitment to fostering holistic education by bridging the gap between theoretical knowledge and practical application. These courses are designed to empower students with a strong foundation in technical expertise, hands-on practical experience, and critical real-world problem-solving skills. The Vermicomposting Certificate Program was meticulously curated to provide an in-depth understanding of sustainable waste management practices—a key area of focus in today's environmentally conscious world. By engaging students in both theoretical lessons and hands-on training, the program ensured that participants not only understood the science behind vermicomposting but also gained the confidence to apply this knowledge effectively in various scenarios. The program also emphasized the growing importance of adopting eco-friendly solutions to combat the global challenges of waste management, soil degradation, and climate change. Participants were encouraged to think innovatively and explore the potential of vermicomposting as a vital step toward a circular economy, where waste materials are efficiently recycled and repurposed into valuable resources like nutrient-rich compost.

In addition to environmental benefits, the course specifically aimed at equipping students with the skills needed to pursue diverse career opportunities in agriculture, horticulture, and allied environmental fields. These sectors are increasingly adopting sustainable practices, making vermicomposting a highly relevant and marketable skill. Through this program, students were empowered to become proactive contributors to sustainable development, equipped with both the knowledge and tools to make a meaningful impact in their chosen fields.

Objective of the Programme

The primary objective of the vermicomposting certificate course was to educate students about sustainable organic waste management techniques while fostering practical expertise. Through hands-on training, the program also aimed to:

Enhance the employability of students by equipping them with industry-relevant skills.

Promote awareness about the importance of vermicomposting in improving soil fertility.

Encourage entrepreneurial initiatives in sustainable waste management practices.

By focusing on the principles of vermicomposting, the course offered a holistic approach to tackling waste management challenges while creating valuable resources like nutrient-rich compost for agricultural use.

Course Enrollment and Structure

A total of 24 students actively participated in this course. The syllabus, carefully curated by experts from the Departments of Zoology and Botany, balanced theoretical and practical components to ensure in-depth learning. The theoretical sessions introduced participants to:

- The ecological role of earthworms in sustainable waste decomposition.
- Principles of vermicomposting, including bed preparation, feedstock selection, and the maintenance of composting systems.
- The environmental and economic benefits of organic waste recycling.
- The practical sessions provided hands-on experience in:
 - Setting up and maintaining vermicomposting beds.
 - Feeding earthworms with organic waste sourced from the college premises, such as plant leaf litter and biodegradable debris.
 - Monitoring the vermicomposting process and understanding the parameters for efficient decomposition.

Highlights of Practical Training

The practical training sessions were a key aspect of the course, designed to immerse students in the actual process of vermicomposting. Some notable highlights included:

Vermicomposting Tank Demonstration: A dedicated tank installed on campus served as the training ground, allowing students to observe and participate in all stages of the composting process.

Organic Waste Utilization: Participants collected biodegradable waste from the college campus, fostering an understanding of effective waste segregation and recycling.

Earthworm Habitat Management: Students were trained to create and maintain optimal environmental conditions for earthworms, ensuring their productivity and health.

Skill Development and Practical Insights

The course equipped students with essential skills that are transferable across multiple domains, including:

- Organic farming techniques that promote sustainable agricultural practices.
- Waste management solutions aimed at reducing landfill dependency.

Vermicompost production, which has a growing demand in both domestic and commercial agriculture.

Additionally, the program emphasized the potential for students to start small-scale entrepreneurial ventures in vermicomposting, tapping into the rising demand for organic fertilizers and eco-friendly waste management solutions.

Evaluation and Certification

The course concluded with a comprehensive evaluation conducted on April 21, 2024, to assess the knowledge and skills acquired by participants. The evaluation comprised a written test and a practical demonstration of vermicomposting techniques. Students who successfully completed the course received a certificate of achievement, enhancing their credentials and boosting their employability.

Outcomes of the Programme

The Vermicomposting Certificate Course provided multiple benefits to the participating students and the institution:

Practical Skill Enhancement: Students gained hands-on experience in vermicomposting techniques, equipping them with valuable skills for their careers.

Sustainability Awareness: The program instilled a deep understanding of eco-friendly practices and their role in environmental conservation.

Entrepreneurial Insights: Students were encouraged to explore the economic potential of vermicomposting as a viable business model.

Additional Activities and Impacts

To enrich the learning experience, additional activities were integrated into the course:

Workshops by Experts: Guest lectures from professionals in sustainable waste management provided students with industry insights and future trends.

Field Visits: Visits to local vermicomposting units and organic farms exposed students to real-world applications of the techniques they learned.

Peer Networking: Students collaborated in teams during practical sessions, enhancing their teamwork and problem-solving skills.

The course has sparked a broader interest among students and faculty in adopting sustainable practices across the campus. It also paved the way for potential collaborations with local agricultural businesses and environmental organizations.

Long-Term Implications

The knowledge and skills imparted through this course have far-reaching implications:

- Students can actively contribute to reducing environmental waste through vermicomposting.
- They are equipped to support sustainable agricultural practices by producing organic fertilizers.
- The program aligns with national and global goals of promoting a circular economy and sustainable development.

Conclusion

The Certificate Course in Vermicomposting was a resounding success, serving as a steppingstone for students to build a sustainable future. It reflects the commitment of the Departments of Zoology and Botany to fostering practical learning and environmental stewardship. The skills acquired during this course empower students to pursue diverse career opportunities and contribute meaningfully to society. The program stands as a model for integrating sustainability into education and skill development initiatives.

The course has not only equipped students with practical knowledge but also inspired them to become advocates of eco-friendly practices, setting an example for peers and the community at large. This initiative reaffirms the college's dedication to holistic education and sustainable development.

SELECTED PHOTOGRAPHS



Student Performing Practical Work

Students Making Packets of Vermicompost

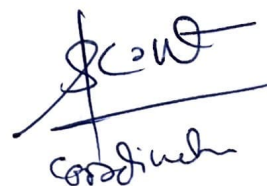

Mr. J. G. Suryawanshi


Mr. S. P. Patil


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

ADARSHA SCIENCE, J. B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RLY
STUDENT ENROLLMENT TO CERTIFICATE COURSE:2023-24
COURSE NAME: CERTIFICATE COURSE IN VERMICOMPOSTING

SN	Name Of Certificate Course	Name Of Enrolled Students	Date Of Start Of Course
1.	Certificate Course in Vermicomposting	Apeksha Arun Dongardive	10.02.2024
2.		Arpan Milind Ajmire	10.02.2024
3.		Dhanashri Suresh Kale	10.02.2024
4.		Gayatri Pradip Rajankar	10.02.2024
5.		Kiran Marotrao Darokar	10.02.2024
6.		Mahima Vijay Shirpurkar	10.02.2024
7.		Nikita Vilas Wankhade	10.02.2024
8.		Prachi Gajendra Borghate	10.02.2024
9.		Pavan Purushottam Nagpure	10.02.2024
10.		Prajwal Dilip Patil	10.02.2024
11.		Prajwal Narendra Sonone	10.02.2024
12.		Ruchita Jitendra Dube	10.02.2024
13.		Samiksha Vijay Sambhe	10.02.2024
14.		Shruti Ravindra Kamble	10.02.2024
15.		Umerkhan Harun Khan	10.02.2024
16.		Purvash Vaidya	10.02.2024
17.		Akshay Murke	10.02.2024
18.		Ananksha Gawarle	10.02.2024
19.		Tanuya Tekam	10.02.2024
20.		Nishant Gawali	10.02.2024
21.		Pranay Dabhade	10.02.2024
22.		Kalyani Dabhade	10.02.2024
23.		Shrushti Chaudhari	10.02.2024
24.		Vishaka Bhoyar	10.02.2024

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

CERTIFICATE COURSE IN VERMICOMPOSTING

Jointly organized by Department of Zoology and Botany

EXAMINATION NOTICE

Date: 10.04.2024

All the Admitted Students of Certificate Course in Vermicomposting here by informed that, the final exam is being organized on Sunday, 21.04.2024. It is compulsory for all the admitted students to issue a certificate of passing.

Schedule of the Examination is as follows:

Date of Examination : Sunday, 21.04.2024
Time : 9.30 am to 11.00 am (1.30 hrs)
Mode : Offline



Course Coordinator
Mr. J. G. Suryawanshi



Course Coordinator
Mr. S. P. Patil

Question Paper

**ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RAILWAY**

QUESTION PAPER: CERTIFICATE COURSE IN VERMICOMPOSTING: 2023-24

TOTAL MARKS: 50

TIME: 1.30 HOURS

Note: All the questions are compulsory, each question carries 2 marks

1. Which of the following chemicals is used for protecting vermi-bed from ants?

- (a) DDT
- (b) Griseofulvin
- (c) Chloramphenicol
- (d) Chlorpyriophosphate

2. Which of the following is a commonly used earthworm species for the vermicomposting process?

- (a) Eisenia fetida
- (b) Perionix excavatus
- (c) Both (a) and (b)
- (d) None of the above

3. The highly decomposed organic matter rich in minerals like nitrogen, phosphorus, and potassium, in particular, produced from the activity of earthworms is called _____.

- (a) Humus
- (b) Vermicompost
- (c) Worm casting
- (d) Compost bedding

4. Vermicompost is used as a biofertilizer because it is rich in _____.

- (a) Calcium
- (b) Nitrogen
- (c) Phosphorus
- (d) All of the above

5. Which of the following is false about vermicomposting?

- (a) Worms population doubles in 90 days
- (b) Worms eat double their body weight
- (c) The wooden bin is best for vermicomposting
- (d) Red worms are the best for vermicomposting

6. Which of the following is true about vermicomposting?

- (a) Composting using rats
- (b) Composting using birds
- (c) Composting using worms
- (d) All of the above

7. Which of the following is true about vermicompost?

- (a) Vermicompost is red in colour
- (b) Vermicompost is black in colour
- (c) Vermicompost is white in colour
- (d) Vermicompost is brown in colour

8. Which of the following are the best worms used for composting?

- (a) Maggots
- (b) Pink worms
- (c) Red wigglers
- (d) All of the above

9. The moisture level required for vermicomposting should be between _____.

- (a) Below 30 per cent
- (b) 40 and 50 per cent
- (c) 70 and 80 per cent
- (d) Above 90 per cent

10. The maximum temperature required for vermicomposting is _____.

- (a) 20C to 25C
- (b) 25C to 30C
- (c) 30C to 35C
- (d) 35C to 40C

11. Which of the following is not a drawback of vermicomposting?

- (a) Time-consuming process
- (b) Require regular monitoring
- (c) Require minimum temperature
- (d) Enriches soil with microorganisms

12. Which of the following is not raw material required for preparing composts?

- (a) Cow dung
- (b) Weed biomass
- (c) Dry straw and leaves
- (d) All of the above

13. Which of the following procedures are used by the farmers to multiply the earthworms?

- (a) By adding cow dung
- (b) By adding plant materials
- (c) By mixing more amount of biodegradable wastes
- (d) All of the above

14. Which of the following products cannot be used for vermicomposting?

- (a) Cow dung
- (b) Plant materials
- (c) Animal Wastes
- (d) All of the above

15. For vermicomposting, this species of earthworm is not apt

- (a) Perionyx excavatus
- (b) Pheretima posthuma
- (c) Eudrilus eugeniae
- (d) Eisenia fetidae

16. The process in which earthworms are used to degrade organic wastes is

- (a) Compost bedding
- (b) Humus forming
- (c) Vermicomposting
- (d) None

17. Kitchen wastes and animal excreta can be minimized most profitably via

- (a) vermiculture
- (b) biogas production
- (c) direct usage as biofertilizers
- (d) storing in underground storage tanks

18. The process of covering spawned compost with a suitable material is known as

- (a) cropping
- (b) casing
- (c) spawning

(d) composting

19. While burrowing, the anterior ends of earthworms become turgid serving as a hydraulic skeleton though they do not possess a skeleton. This is as a result of

- (a) setae
- (b) gut peristalsis
- (c) coelomic fluid
- (d) none of the above

20. This is apt for vermicomposting

- (a) Algae
- (b) Nitrifying bacteria
- (c) Earthworms
- (d) Fungus

21. Vermicompost is an

- (a) toxic material
- (b) organic biofertilizer
- (c) inorganic fertilizer
- (d) synthetic fertilizer

22. This can be the best worm for composting

(a) pink worms

(b) red wigglers

(c) maggots

(d) does not matter

23. In earthworms, typhlosome is a

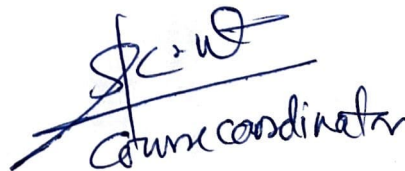
- (a) excretory structure
- (b) a circulatory system structure
- (c) fold of intestine
- (d) defense mechanism

24. Which of the following is a mixture of ingredients used to fertilize and improve the soil?

- a. Phosphatic fertilizers
- b. Mycelium
- c. Compost
- d. Alfa-alfa

25. Compost is made using

- (a) biodegradable waste
- (b) non-biodegradable waste
- (c) both (a) and (b)
- (d) none of these



SPC-10
Coordinator

Examination Result Marksheet

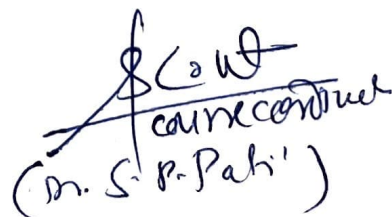
ADARSHA SCIENCE, J. B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY

STUDENT ENROLLMENT TO CERTIFICATE COURSE

COURSE NAME: CERTIFICATE COURSE IN VERMICOMPOSTING

Examination Result Sheet (15.04.2024, Online Mode)

S.N.	Name of Student	Marks Obtained (Theory) Out of 50	Practical (Hands on) Out of 15	Internal Out of 20	Total	Pass/ Fail
1.	Akansha Kharbde	48 / 50	15	20	83	Pass
2.	Khushali Tarhekar	48 / 50	15	20	83	Pass
3.	Tejas Gawarle	48 / 50	15	20	83	Pass
4.	Krishna Chandak	48 / 50	15	20	83	Pass
5.	Mrunal Sawant	40 / 50	15	20	75	Pass
6.	Pratik Nagrikar	48 / 50	15	20	83	Pass
7.	Anuradha Pinjari	40 / 50	15	20	75	Pass
8.	Vaishnavi Sundarkar	48 / 50	15	20	83	Pass
9.	Sakshi Badhiye	38 / 50	15	20	73	Pass
10.	Payal Chaware	32 / 50	15	20	67	Pass
11.	Sakshi Thakare	44 / 50	15	20	79	Pass
12.	Sonali Kalpande	46 / 50	15	20	81	Pass
13.	Ashumi Kucheriya	46 / 50	15	20	81	Pass
14.	Vaishnavi Pethe	46 / 50	15	20	81	Pass
15.	Sankalp Malviya	40 / 50	15	20	75	Pass
16.	Shital Kokate	42 / 50	15	20	77	Pass
17.	Punam Meshram	44 / 50	15	20	79	Pass
18.	Punam Chakole	32 / 50	15	20	67	Pass
19.	Sejal Motghare	34 / 50	15	20	69	Pass
20.	Payal Kamble	46 / 50	15	20	81	Pass
21.	Anuradha Bagade	46 / 50	15	20	81	Pass
22.	Anju Dhanke	46 / 50	15	20	81	Pass
23.	Anuja Nishan	46 / 50	15	20	81	Pass
24.	Harshal Narode	48 / 50	15	20	83	Pass

(Dr. S. P. Pahi)

ADARSHA SCIENCE, J. B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY

CERTIFICATE DESTRIUTION LIST:2023-24

COURSE NAME: CERTIFICATE COURSE IN VERMICOMPOSTING

SN	Name Of Certificate Course	Name Of Enrolled Students	Signature of Student
1.	Certificate Course in Vermicomposting	Apeksha Arun Dongardive	
2.		Arpan Milind Ajmire	
3.		Dhanashri Suresh Kale	
4.		Gayatri Pradip Rajankar	
5.		Kiran Marotrao Darokar	
6.		Mahima Vijay Shirpurkar	
7.		Nikita Vilas Wankhade	
8.		Prachi Gajendra Borghate	
9.		Pavan Purushottam Nagpure	
10.		Prajwal Dilip Patil	
11.		Prajwal Narendra Sonone	
12.		Ruchita Jitendra Dube	
13.		Samiksha Vijay Sambhe	
14.		Shruti Ravindra Kamble	
15.		Umerkhan Harun Khan	
16.		Purvash Vaidya	
17.		Akshay Murke	
18.		Ananksha Gaware	
19.		Tanuya Tekam	
20.		Nishant Gawali	
21.		Pranay Dabhade	
22.		Kalyani Dabhade	
23.		Shrushti Chaudhari	
24.		Vishaka Bhoyar	

J. G. Suryawanshi
Course Coordinator

Dr. S. P. Patil
Course coordinator



Certificate: A Specimen Copy

J. G. Suryawanshi
Course co-ordinator
J. G. Suryawanshi

S. P. Patil
course coordinator
Dr. S. P. Patil

Department of Computer Science

Certificate course in Web Designing and office Automation

Notice

Date:25/07/2023

All the students from B.Sc.-I are hereby informed that, Department of Computer Science is organizing Certificate course in Web Designing and office Automation (Under Carrier oriented Course) From 17 Aug 2023.

Interested students can enrol their names with Dr.M.V.Mawale, Head of Department computer science on or before 12 Aug 2023.

Course details –

Duration of Course – 90 Hours

Timings of Course - Morning 9:00 am to 10:30 am

Venue of course- Computer Science Department.

The syllabus attached with this notice


HOD

Dept. of Computer Science

Head

**Dept. of Computer Science
Adarsha Sci., J. B. Arts &
Birla Comm. Mahavidyalaya
Dhamangaon Rly - 444 709**


Principal

Adarsha Science,

J. B. Arts and Birla Commerce Mahavidyalaya.

PRINCIPAL

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

Web Designing and Office Automation

Unit I:- Office Automation: Need for OA, office system development, office views, office equipments, document storage and retrieval, use of PC, communication networks, 4GL, commercial integrated office system, benefits of office automation, Indian office Technology

Unit-II: - Operating system: Computer evolution, computer organization, importance and function of OS, common OS, MS-windows, Windows screen, desktop, working with windows, control panel, file system, accessories system tool, Introduction to Unix

Unit-III: - MS-WORD: Feature of word, starting word, Application Window, office assistant, working with document, text handling, printing formatting, pagedesign, editing, graphics, tables, charts, mailmerg, styles, templates, web pages.

Power Point Presentation: Graphics, creating opening and saving presentation, working with views, templates, slides, text, formatting, notes, drawing, arts and pictures, designing slid show, chsrts, running and printing

Unit-IV: Internet: History, anatomy, application, terminology, Protocol, TCP/IP, computer Network, DNS, C/S architecture, connection to internet, www: web and internet, evolution and features of www, browsers, HTTP, URL, Hypertext, search engines

Unit-V: - Browsers: Introduction, popular browsers, IE and NN, Bookmarks, History, cookies, progress indicator, customigration of browsers, handling web pages, browsing tricks.

E-mail: Introduction, mail servers and networks, email clients, address book, signature file

FTP: Introduction: Using FTP, FTP server, clients, Telnet, IRC.

MS Front Page: Introduction, text styles, images and links, symbol and links, tables, forms, marquee and scripts.

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

Department of Computer Science

Certificate course in Web Designing and office Automation

Notice

Date: 14/08/2023

Following is the list of Admitted students for **Certificate course in Web Designing and office Automation** organized by department of Computer Science from 17/08/2023

Sr.No	Name of Student	Class
1	Radhika Borundiya	B.Sc-I
2	Revati Bhende	B.Sc-I
3	Sahil Gawande	B.Sc-I
4	Vashnavi Hande	B.Sc-I
5	Komal Pande	B.Sc-I
6	Pranay Nimkar	B.Sc-I
7	Saksham Handve	B.Sc-I
8	Samiksha Jadhav	B.Sc-I
9	Sejal Khakse	B.Sc-I
10	Tushar Tarare	B.Sc-I
11	Jannatparveen Husain	B.Sc-I
12	Gayatri Gulnule	B.Sc-I
13	Sakshi Kunjekar	B.Sc-I
14	Rushikesh Punse	B.Sc-I
15	Karina Gupta	B.Sc-I


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Dept. of Computer Science

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

Department of Computer Science

Certificate course in Web Designing and office Automation

Time Table (A.Y 2023-2024)

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
Time	9:00 am to 10.30 am				
Theory	Theory	Theory			
Practical			Practical	Practical	Practical

In-charge: Somesh Gupta


HOD

Dept. of Computer Science

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Dept. of Computer Science
Adarsha Sci., J. B. Arts &
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Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly

Department of Computer Science

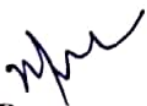
Certificate course in Web Designing and office Automation

(A.Y 2023-2024)

Exam Notice

All enrolled Students for Certificate course in Web Designing and office Automation are here by informed that Final exam schedule are as follows:

Sr. No.	Course Name	Theory /Practical	Date	Time	Duration	Marks
1	Certificate course in Web Designing and office Automation	Practical Execution + Viva	18/01/2024	8:00am To 11am	3 Hrs	50
2		Theory	20/01/2024		3 Hrs	100


HOD

Dept. of Computer Science

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Dept. of Computer Science
Adarsha Sci., J. B. Arts &
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& Birla Comm Mahavidyalaya
Dhamangaon Rly

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

Department of Computer Science

Certificate course in Web Designing and office Automation

(A.Y 2023-2024)

RESULT

Sr.No	Roll no	Name	Marks Obtained			Percentage	Division
			Theory	Practical	Total		
			100	50	150		
1		Radhika Borundiya	96	49	145	96.66%	First
2		Revati Bhende	92	44	136	90.66%	First
3		Sahil Gawande	87	45	132	88%	First
4		Vashnavi Hande	84	47	131	87.33%	First
5		Komal Pande	75	41	116	77.33%	First
6		Pranay Nimkar	64	45	109	72.66%	First
7		Saksham Handve	89	42	131	87.33%	First
8		Samiksha Jadhav	76	43	119	79.33%	First
9		Sejal Khakse	84	46	130	86.66%	First
10		Tushar Tarare	91	43	134	89.33%	First
11		Jannatparveen Husain	92	44	136	90.66%	First
12		Gayatri Gulnule	87	45	132	88%	First
13		Sakshi Kunjekar	84	47	131	87.33%	First
14		Rushikesh Punse	75	41	116	77.33%	First
15		Karina Gupta	64	45	109	72.66%	First

HOD

Dept. of Computer Science

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Dept. of Computer Science
Adarsha Sci., J. B. Arts &
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Adarsha Science, J.B Arts
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Dhamangaon Rly

SESSION: 2023-2024

Month: AUGUST

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& Birla Comm. Mahavidyalaya
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Adarsha Science J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.
Certificate Course in Web Designing and Office Automation

SESSION : 2023-2024

Month: SEPTEMBER

Sr.No	NAME OF STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Date: .																														
1	Radhika Borundiya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Revati Bhende	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Sahil Gawande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Vashnavi Hande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Komal Pande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Pranay Nimkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Saksham Handve	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Samiksha Jadhav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Sejal Khakse	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Tushar Tarare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Jannatparveen Husain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Gayatri Gulnule	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Sakshi Kunjekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Rushikesh Punse	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Karina Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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

SESSION: 2023-2024

Month: OCTOBER

Amende

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

SESSION: 2023-2024

Month: NOVEMBER / JANUARY

PRINCIPAL
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& Bida Comm Mahavidyalaya
Dhamangon Rly

Web Designing and Office Automation –I (WDOA-I)
Under Career Oriented Programme

Time : 3 Hours

Max.Marks. 100

- Note: 1. All questions are Compulsory.
 2. All questions carry equal marks

Either

1. a) Fill in the correct answer 5.
 i) The backbone of office automation is ----
 A) memory B) LAN C) OPAS D) multimedia
 ii) ---- usually includes office records and other primary office forms and documents.
 A) Data Storage B) Data applications
 C) Data management D) Data procedure
 ii) ---- use laser technology.
 A) Hard disks B) Floppy disks
 C) Optical disks D) Layered disks
 iii) ---- view relies on procedures and goals.
 A) Office activities B) Office functions
 C) Office semantics D) none of these.
 v) Office automation systems that include the ability to electronically share information between more than one user simultaneously are sometimes referred to as
 A) Groupware systems
 B) Information systems
 C) Office procedure automation systems
 D) Data base management systems.
 b) What is Office Automation? Explain the basic activities of an office automation system. 8
 c) Explain the office views, which use the analytical office perspective. 7

OR

2. p) Fill in the correct answer 5.
 i) — activities involve the capture and editing of files, images, or spreadsheets.
 A) Data Storage B) Data applications
 C) Data management D) Data procedure
 ii) An example of commercial integrated office system.
 A) PROFS B) Wang Office
 C) ALL-IN-1 D) All of these
 iii) 4 GL stands for.
 A) fourth group language B) fourth generation language
 C) four giga locator D) four generation locator
 iv) An example of secondary storage device
 A) CD B) RAM C) ROM D) EPROM.
 v) — provides information to support decision making and control in the organization
 A) Communication system
 B) Information systems
 C) Office procedure automation systems
 D) Data base management systems.
 q) List the various types of office equipment. Explain optical storage devices for office documents. 8
 r) Explain commercial integrated office systems. 7
Either
 3. a) Draw block diagram of digital computer and explain the function of each block? 10
 b) What is operating system? Explain MS-Windows operating system. 10
OR
 4. q) Explain "UNIX" operating system. 10
 r) Explain control panel in detail. 10



Dhamangaon Education Society's

(Hindi linguistic Minority Educational Institute)

**Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya,
Dhamangaon (Rly), Dist. Amravati (M.S.)**

NAAC Accredited Grade "B" (CGPA 2.81)

CERTIFICATE

This is to certify that Shri/Smt/Ku. _____

the within signed has successfully completed the prescribed course of studies
and passed the certificate course in Web designing and office Automation
in _____ division in the year _____.

Dr. Maya Mawale

**Dr. Maya Mawale
(HOD)**

Place: Dhamangaon Rly

Dept. of Computer Science

Dr. Y. B. Gandole

**Dr. Y. B. Gandole
(Principal)
Adarsha Mahavidyalaya**

Certificate Course
Communication Skills in English

1. Programme Objectives:

- To enable the learners to gain basic English Grammar and conceptual knowledge in the English language.
- To empower the Learners with skills necessary for placements.
- To help the students develop a sophisticated awareness of the structure of English, its heritage and role in the world today.

2. Target Group of Learners:

- Undergraduate Students

3. Instructional Design:

Paper-I	Introduction to the Language Skills Listening, Speaking, Reading and Writing
Paper-II	Basic Grammar and Grammar in Context
Paper-III	Building Vocabulary
Paper-IV	Language in Context
Paper-V	Presentation Skills

4. Learning Outcomes

- **Introduction to the Language Skills: Listening Speaking Reading and Writing**
The learner is enabled with the English sound system and identify sounds and rhythm of English language
- **Basic Grammar and Grammar in Context**
The learner is able to learn basic English Grammar
- **Building Vocabulary**
To equip with vocabulary
- **Language in Context Learn**
To speak with proper stress and intonation as per the context
- **Presentation Skills**
The learner is able to know the techniques of presentation skills

Syllabus

Paper-I

Introduction to the Language Skills: Listening, Speaking Reading and Writing

1. a) Nature and significance of English Language
 b) Introduction to the skills of Language
2. **Listening and speaking skills**
 - a) Introduction to English sounds
 - b) Vowels & Consonantal sounds
 - c) Word accent and stress shift
 - d) Accent and rhythm in connected speech
 - e) Intonation
 - f) Listening TV programs and recorded conversations and different accents.
3. **Reading Skills**
 - a) Skimming and scanning
 - b) Reading for comprehension
 - c) Reading for pleasure

Paper-II Basic grammar and Grammar in context

1. The sentence, Clause, Phrase, Kinds of sentences
2. Parts of speech
3. Verb, Tenses: Form and use
4. Use of auxiliaries and Modals
5. Concord: Subject – verb
6. Articles and prepositions
7. Transformations of sentences
8. Common Errors

Paper-III Building Vocabulary

1. Introduction to methods of enriching vocabulary
2. Word-formation, one word substitutes
3. Synonyms, Antonyms and words often confused
4. Foreign words and Phrases in English
5. Idioms and Phrases
6. Appropriate vocabulary in formal, semi-formal and informal contexts

Paper-IV Language in Context

1. Greetings and Introducing
2. Asking for information
3. Starting a conversation; greeting and asking after
4. Introduction of oneself and others
5. Thanking, Wishing well, apologizing and excusing
6. Inviting, suggesting, accepting and refusing
7. Likes and dislikes
8. Seeking permission
9. Offering and giving advice
10. Language in formal, semi-formal and informal context

Paper-V Presentation Skills

1. Public Speaking
 - a) Presentation Techniques
 - b) Use of quotations and anecdotes
 - c) Organizing a seminar/symposium/workshop/conference
 - d) Welcome Address and Vote of Thanks
 - e) Body Language
 - f) Interview
2. Writing:
 - a) Linking Devices: Use of connectors
 - b) Sentences and paragraphs
 - c) Essay-writing
 - d) Letter-writing
 - e) Preparation of Resume
 - f) Report-Writing: Newspaper Reports and Minutes of the Meeting
 - g) Summarizing, Note-Making and Note-Taking
 - h) Information Transfer
 - i) E-Mail English

Duration of the Programme

The duration of the Certificate course in Communication Skills in English shall be as per the university (HEI) norms i.e. six months. (40 Contact Hrs.)

Instructional Delivery Mechanism

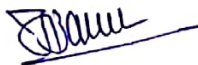
- o Through face to face contact program
- o By providing printed Self Instructional Materials.
- o English Language Lab work during all days at the contact program.

Procedure for Admission:

The admission procedure shall be on first come first serve basis. (Max. 20)

Evaluation:

The Evaluation procedure will be MCQs, Lab work and Practical.



J G Barulkar

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

DEPARTMENT OF ENGLISH

Certificate Course In Communication Skills In English

NOTICE

Date: 02/09/2023

All the students of the college are hereby are informed that Dept. of English is going to organize three-month Certificate Course in 'Communication Skills in English' from 11 Sep 2023. All the interested students should register their names in the department of English on or before 10 Sep.


Course coordinator


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

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

Certificate Course 2023-24

Communication Skills in English

Marks: 30

Time: 01:00 Hr

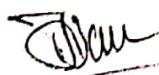
- Q.1 Prepare resume and job application letter for the post of an accountant in a nationalised bank. 10
- Q.2 Write a dialogue on any two of the following- 10
- 1) looking for a book in a library
 - 2) bus pass enquiry
 - 3) holiday booking
- Q.3 Write a paragraph on any two of the following-- 10
- 1) online shopping
 - 2) my favourite book
 - 3) need versus greed

DEPARTMENT OF ENGLISH

Certificate Course in Communication Skills in English 2022-23

Final Results

Sr	Name	GD (20)	PPT (20)	Story (10)	MCQs (20)	Written Test (30)	Final Score (100)	Grade
1	Aachal Sharad Khandale	18	18	9	17	25	87	A
2	Arpita Anil Sharma	17	16	8	18	25	84	A
3	Bhushan Dinkarrao Thakare	18	18	9	18	24	87	A
4	Darshana Mahadevrao Bhalme	17	16	8	17	25	83	A
5	Falguni A. Dhakulkar	18	17	8	18	24	85	A
6	Kalpesh Mohanrao Chavhan	18	15	8	16	26	87	A
7	Kartik Narendra Titurmare	16	17	7	16	24	80	A
8	Krutika Narendra Sawant	17	17	9	17	25	85	A
9	Mayuri A. Rayate	17	16	9	16	25	83	A
10	Meghraj Kishor Wat	17	17	7	16	24	81	A
11	Prajwal Madhukar Zade	17	17	9	17	24	84	A
12	Pranay Shankar Dabhade	16	16	9	17	25	83	A
13	Pratiksha Pramod Chaudhari	16	16	7	15	26	80	A
14	Pratik Gulabrao Khandekar	17	17	8	17	24	83	A
15	Puja Sudhakar Padole	18	18	9	18	25	88	A
16	Saniya Firdous Husain	17	16	8	17	23	81	A
17	Sanket Gajanan Gabhane	16	16	8	16	24	80	A
18	Shashank K. Rathi	15	15	7	15	23	75	B+
19	Shraddha Ravindra Thakare	16	16	8	17	25	82	A
20	Snehal Ravindra Kapse	16	15	8	16	25	80	A
21	Swaranjali Dipak Motghare	18	17	8	17	25	85	A
22	Vaishnavi Ashokrao Gadekar	16	17	8	17	24	82	A
23	Sejal Gajbhiye	17	17	9	17	23	83	A
24	Madhuri Wanve	17	16	8	16	24	81	A



Course Coordinator



Head

Principal, P. V. P. College
Adarsha Science, J. S. Arts
& E. S. Commerce, Marolundhi, Sion,
Mumbai - 400 033

DEPARTMENT OF ENGLISH

Certificate Course in Communication Skills in English 23-24

Group Discussion

Topic: Role of Youth in Developing India

Sr	Name	Knowledge	Fluency	Body Language	Confidence	Score	Suggestions
1	Aachal Sharad Khandale	4	4	4	4	16	VM, EC
2	Arpita Anil Sharma	5	4	3	4	16	Gestures, EC
3	Bhushan Dinkarrao Thakare	4	4	4	4	16	Conf. Voice
4	Darshana Mahadevrao Bhalme	4	4	4	5	17	Pronunciation, Data
5	Falguni A. Dhakulkar	4	3	3	4	14	More Practice
6	Kalpesh Mohanrao Chavhan	5	4	5	4	18	Conf, Stats
7	Kartik Narendra Titumare	4	3	3	4	14	More practice, BL
8	Krutika Narendra Sawant	4	4	4	4	16	EC
9	Mayuri A. Rayate	5	5	4	5	19	Relax BL
10	Meghraj Kishor Wat	4	4	4	4	16	More Conf
11	Prajwal Madhukar Zade	5	4	4	4	17	Conf
12	Pranay Shankar Dabhade	5	4	4	4	17	Pronunciation
13	Pratiksha Pramod Chaudhari	4	4	4	4	16	VM, EC
14	Pratik Gulabrao Khandekar	5	4	3	4	16	Gestures, EC
15	Puja Sudhakar Padole	4	4	4	4	16	Conf. Voice
16	Saniya Firdous Husain	4	4	4	5	17	Pronunciation, Data
17	Sanket Gajanan Gabhane	4	3	3	4	14	More Practice
18	Shashank K. Rath	5	4	5	4	18	Conf, Stats
19	Shraddha Ravindra Thakare	4	3	3	4	14	More practice, BL
20	Snehal Ravindra Kapse	4	4	4	4	16	EC
21	Swaranjali Dipak Motghare	5	5	4	5	19	Relax BL
22	Vaishnavi Ashokrao Gadekar	4	4	4	4	16	More Conf
23	Sejal Gajbhiye	5	4	4	4	17	Conf
24	Madhuri Wanve	5	4	4	4	17	Pronunciation

[Signature]
Head of Department
Adarsh College, B. A. Rd.
Pune, Maharashtra
411004

[Signature]
J. G. Barulkar

DEPARTMENT OF ENGLISH

Certificate Course in Communication Skills in English 2023-24

ppt

Name	Topic	Knowledge	Fluency	Body Lang	PPT/ Cont	Total	Suggestions
Aachal Sharad Khandale	Education System	5	4	4	5	18	Speed, Fillers, Posture (Hands)
Arpita Anil Sharma	Leonardo Da Vinci	4	4	4	4	16	PPT, Fillers, Grammar
Bhushan Dinkarrao Thakare	5 AM Club	5	4	4	5	18	Pont, Stuck
Darshana Mahadevrao Bhalme	Skill with People	4	4	4	4	16	Catchy PPT,
Falguni A. Dhakulkar	Handwriting Analysis	4	5	4	4	17	Fillers, Interactive
Kalpesh Mohanrao Chavhan	Richest Writers	4	3	4	4	15	BL, Conf, Spellings
Kartik Narendra Titumare	SpaceX	4	4	4	5	17	Conf, Voice, BL
Krutika Narendra Sawant	Indian Food	5	4	4	4	17	EC, Pron.
Mayuri A. Rayate	Dance Forms	4	4	4	4	16	Relax BL, Speed (U no What!!)
Meghraj Kishor Wat	Mysteries of the world	5	4	4	4	17	Gestures
Prajwal Madhukar Zade	Auroville	4	4	4	5	17	BL, Hands
Pranay Shankar Dabhade	German Motor Cars	4	4	4	4	16	EC, Pron.
Pratiksha Pramod Chaudhari	Engg. Marvels	4	4	4	4	16	Fillers, Interactive
Pratik Gulabrao Khandekar	Monuments	5	4	4	4	17	BL, Conf, Spellings
Puja Sudhakar Padole	The Alchemist	5	4	4	5	18	Conf, Voice, BL
Saniya Firdous Husain	Indian Food	4	4	4	4	16	EC, Pron.
Sanket Gajanan Gabhane	Music	4	4	4	4	16	EC, Fluency
Shashank K. Rathi	Banking	4	3	4	4	15	EC, BL, Practice
Shraddha Ravindra Thakare	London	4	4	4	4	16	Voice, EC
Spehal Ravindra Kapse	Ancient Marvels	4	3	4	4	15	EC, More Practice
Swaranjali Dipak Motghare	Soft Skills	5	4	4	4	17	EC, Voice
Vaishnavi Ashokrao Gadekar	Modern Farming	5	4	4	4	17	Fluency
Sejal Gajbiye	Panda	5	4	4	4	17	Conf, Voice
Madhuri Wanve	Environment	4	4	4	4	16	BL, Voice

Signature
J.G. Barulkar

Handwritten signature and stamp of the Department of English, Adarsh Science & Arts, K. D. J. Commerce College, Mumbai.

DEPARTMENT OF ENGLISH

Certificate Course in Communication Skills in English 23-24

Story Telling

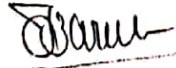
Sr	Name	Title	Story	BL	Score
1	Aachal Sharad Khandale	3 Magi	5	4	9
2	Arpita Anil Sharma	Khatu Shyam	4	4	8
3	Bhushan Dinkarrao Thakare	New Hare & Tortoise	5	4	9
4	Darshana Mahadevrao Bhalme	Sheep & Fox	4	4	8
5	Falguni A. Dhakulkar	The Queen & Crow	4	4	8
6	Kalpesh Mohanrao Chavhan	Unity	4	4	8
7	Kartik Narendra Titurmare	Pied Piper	4	3	7
8	Krutika Narendra Sawant	Cindrella	5	4	9
9	Mayuri A. Rayate	Wise King	4	5	9
10	Meghraj Kishor Wat	Ferdinand	3	4	7
11	Prajwal Madhukar Zade	Princess & Frog	5	4	9
12	Pranay Shankar Dabhade	Greed	5	4	9
13	Pratiksha Pramod Chaudhari	Lucky Son	4	3	7
14	Pratik Gulabrao Khandekar	Shivaji Maharaj	4	4	8
15	Puja Sudhakar Padole	The Last Leaf	5	4	9
16	Saniya Firdous Husain	Ghost and Farie	4	4	8
17	Sanket Gajanan Gabhane	Monkey King	4	4	8
18	Shashank K. Rathi	Shrewd Fox	4	3	7
19	Shraddha Ravindra Thakare	Birbal in Heaven	4	4	8
20	Snehal Ravindra Kapse	2 Goats	4	4	8
21	Swaranjali Dipak Motghare	Magic Hair	4	4	8
22	Vaishnavi Ashokrao Gadekar	Wise Farmer	4	4	8
23	Sejal Gajbhiye	Fox and Crane	5	4	9
24	Madhuri Wanve	Lion and Rat	4	4	8

Wanve

Madhuri

DEPARTMENT OF ENGLISH
Certificate Course in Communication Skills in English 23-24
MCQs

Sr.	Name of the Student	Score
1	Aachal Sharad Khandale	17 / 20
2	Arpita Anil Sharma	18 / 20
3	Bhushan Dinkarrao Thakare	18 / 20
4	Darshana Mahadevrao Bhalme	17 / 20
5	Falguni A. Dhakulkar	18 / 20
6	Kalpesh Mohanrao Chavhan	16 / 20
7	Kartik Narendra Titurmare	16
8	Krutika Narendra Sawant	17 / 20
9	Mayuri A. Rayate	16 / 20
10	Meghraj Kishor Wat	16 / 20
11	Prajwal Madhukar Zade	17 / 20
12	Pranay Shankar Dabhade	17 / 20
13	Pratiksha Pramod Chaudhari	15
14	Pratik Gulabrao Khandekar	17 / 20
15	Puja Sudhakar Padole	18 / 20
16	Saniya Firdous Husain	17 / 20
17	Sanket Gajanan Gabhane	16 / 20
18	Shashank K. Rathi	15 / 20
19	Shraddha Ravindra Thakare	17
20	Snehal Ravindra Kapse	16 / 20
21	Swaranjali Dipak Motghare	17 / 20
22	Vaishnavi Ashokrao Gadekar	17 / 20
23	Sejal Gajbhiye	17 / 20
24	Madhuri Wanve	16 / 20


J. G. Barulkar


Head, Dept. of English
Adarshi Science, J. G. Arts
& Bida Commerce Mahavidyalaya
Dharmapada Road



Dhamangaon Education Society's

(Hindi Linguistic Minority Educational Institution)

**ADARSHA SCIENCE, J. B. ARTS & BIRLA
COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY.**

NAAC REACCREDITED GRADE 'A+' (CGPA - 3.27)

Certificate

This is to certify that Mr./Ms. Pratiksha Pramod Chaudhari

has successfully completed Certificate Course in Communication Skills in English

conducted by the Department of English in the Academic Year 2023-24

He / She obtained 'A' grade in the certificate course.

Course Coordinator

Head

Principal

**ADARSHA SCI., J. B. ARTS & BIRLA COMMERCE
MAHAVIDYALAYA, DHAMANGAON RLY**

ADMISSION OPENS

- ***CERTIFICATE COURSE IN
"CLINICAL LABORATORY TECHNOLOGY"***
(UNDER THE CAREER ORIENTED PROGRAMME OF UGC)
- **ELIGIBILITY CRITERIA**
Students admitted to first year or second year of the B.A.,
B.Com., and B.Sc.(Bachelor Degree Course) in the college.
- **LAST DATE FOR ADMISSION - 26st August, 2023**
- **DURATION - One Academic Year**
- **CONTACT :** Dr. N.A. Sonune
Department of Microbiology,
Adarsha Mahavidyalaya, Dhamangaon Rly

**ADARSHA SCIENCE, J. B. ARTS & BIRLA COMMERCE
MAHAVIDYALAYA, DHAMANGAON RLY**

DEPARTMENT OF MICROBIOLOGY

Certificate Course in

"CLINICAL LABORATORY TECHNOLOGY"

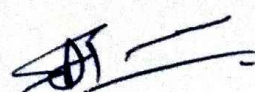
(Career Oriented Course of UGC)

Academic Year 2023-24

TIME TABLE

DAY	THEORY (9.30 am – 10.30 am)	PRACTICAL
MON	U – V (ZFA)	---
TUE	U – II (APH)	---
WED	---	9.20 am - 11.20 am (NAS)
THU	U – IV (ZFA)	---
FRI	U – IV (APH)	---
SAT	U – I (APH)	---

U – I ----- UNIT 1 (HUMAN ANATOMY)
U – III ----- UNIT 3 (ELEMENTARY CLINICAL BIOCHEMISTRY)
U – IV ----- UNIT 4 (MICROBIOLOGY)
U – V ----- UNIT 5 (HAEMATOLOGY & CLINICAL PATHOLOGY)


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

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RAILWAY

DEPARTMENT OF MICROBIOLOGY

CERTIFICATE COURSE IN CLINICAL LABORATORY TECHNOLOGY: 2023-24

STUDENT LIST

SR. NO.	NAME OF THE STUDENT
1	Ku. Vaishnavi Suresh Alone
2	Ku. Shrutika Prasanna Dhakulkar
3	Ku. Rutuja Kishor Raut
4	Ku. Dhanashri Nilesh Chafale
5	Ku. Pallavi Atul Sarode
6	Ku. Achal Dilip Nimkar
7	Ku. Mayuri Rajesh Ghate
8	Ku. Tanuja Praful Raut
9	Ku. Isha Dharmendra Dewhare
10	Ku. Taiba Kashish Shekh Kadar
11	Ku. Kalyani Suresh Thote
12	Ku. Shruti Rajendra Pande
13	Ku. Divya G. Dube
14	Ku. Divya Charandas Khandare
15	Ku. Anushka Suresh Tandulkar
16	Ku. Aiman Sadaf Md. Z. Hussain
MALE : 00	
FEMALE: 16	

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

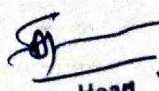
Department of Microbiology

Clinical Laboratory Technology Summary Report (2023-24)

The notice of Clinical Laboratory Technology certificate was display on notice board on 1st August 2023. The last date for admission was 21th August 2023. The duration of the course was one academic year. The course fees for CLT course were Rs. 250 per students. Total 16 students enrolled for this course. The lectures and periods were started from 01/09/2023 to 28/03/2024. The theory and practical exam of the course was conducted on 01st April 2024 and 02nd April 2024 respectively. The results of the exam were 100%. The certificate was distribution after the exam results.

LIST OF STUDENTS ADMITTED TO CERTIFICATE COURSE IN "CLINICAL LABORATORY TECHNOLOGY" DURING THE YEAR 2023-24

SR. NO.	NAME OF THE STUDENT
1	Ku. Vaishnavi Suresh Alone
2	Ku. Shrutika Prasanna Dhakulkar
3	Ku. Rutuja Kishor Raut
4	Ku. Dhanashri Nilesh Chafale
5	Ku. Pallavi Atul Sarode
6	Ku. Achal Dilip Nimkar
7	Ku. Mayuri Rajesh Ghate
8	Ku. Tanuja Praful Raut
9	Ku. Isha Dharmendra Dewhare
10	Ku. Taiba Kashish Shekh Kadar
11	Ku. Kalyani Suresh Thote
12	Ku. Shruti Rajendra Pande
13	Ku. Divya G. Dube
14	Ku. Divya Charandas Khandare
15	Ku. Anushka Suresh Tandulkar
16	Ku. Aiman Sadaf Md. Z. Hussain
MALE : 00	
FEMALE:16	


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

DEPARTMENT OF MICROBIOLOGY

***CERTIFICATE COURSE IN "CLINICAL LABORATORY
TECHNOLOGY"***

(UNDER THE CAREER ORIENTED PROGRAMME OF UGC)

NOTICE

Date – 21/03/2024

All the students of Clinical Certificate Course are hereby inform that their theory examination of 'Clinical Laboratory Technology' (2023-24) will be conducted on 1ST April 2024 at 11.00 am in Microbiology Laboratory. Students are advised to take the note of the same.



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

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

DEPARTMENT OF MICROBIOLOGY

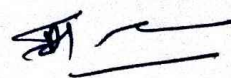
***CERTIFICATE COURSE IN "CLINICAL LABORATORY
TECHNOLOGY"***

(UNDER THE CAREER ORIENTED PROGRAMME OF UGC)

NOTICE

Date – 21/03/2024

All the students of Clinical Certificate Course are hereby inform that their Practical examination of 'Clinical Laboratory Technology' (2023-24) will be conducted on 2nd April 2024 at 11.00 am in Microbiology Laboratory. Students are advised to take the note of the same.



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

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RAILWAY

DEPARTMENT OF MICROBIOLOGY

CERTIFICATE COURSE IN CLINICAL LABORATORY TECHNOLOGY

Theory examination- 2023-24 (Attendance)

Sr.No.	Name of student	Signature
1	Ku. Vaishnavi Suresh Alone	<u>Alone</u>
2	Ku. Shrutika Prasanna Dhakulkar	<u>Shrutika</u>
3	Ku. Rutuja Kishor Raut	<u>Raut</u>
4	Ku. Dhanashri Nilesh Chafale	<u>Chafale</u>
5	Ku. Pallavi Atul Sarode	<u>Sarode</u>
6	Ku. Achal Dilip Nimkar	<u>Achal</u>
7	Ku. Mayuri Rajesh Ghate	<u>M. Ghate</u>
8	Ku. Tanuja Praful Raut	<u>Raut</u>
9	Ku. Isha Dharmendra Dewhare	<u>I. D. Dewhare</u>
10	Ku. Talba Kashish Shekh Kadar	<u>Talba</u>
11	Ku. Kalyani Suresh Thote	
12	Ku. Shruti Rajendra Pande	<u>Pande</u>
13	Ku. Divya G. Dube	<u>Dube</u>
14	Ku. Divya Charandas Khandare	<u>Khandare</u>
15	Ku. Anushka Suresh Tandulkar	<u>A. S. Tandulkar</u>
16	Ku. Aiman Sadaf Md. Z. Hussain	<u>Aiman</u>

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RAILWAY

DEPARTMENT OF MICROBIOLOGY

CERTIFICATE COURSE IN CLINICAL LABORATORY TECHNOLOGY

Practical examination 2023-24 (Attendance)

Sr.No.	Name of student	Signature
1	Ku. Vaishnavi Suresh Alone	<i>Alone</i>
2	Ku. Shrutika Prasanna Dhakulkar	<i>Shrutika</i>
3	Ku. Rutuja Kishor Raut	<i>Raut</i>
4	Ku. Dhanashri Nilesh Chafale	<i>Chafale</i>
5	Ku. Pallavi Atul Sarode	<i>Sarode</i>
6	Ku. Achal Dillip Nimkar	<i>Nimkar</i>
7	Ku. Mayuri Rajesh Ghate	<i>Ghate</i>
8	Ku. Tanuja Praful Raut	<i>Raut</i>
9	Ku. Isha Dharmendra Dewhare	<i>I. D. Dewhare</i>
10	Ku. Talba Kashish Shekh Kadar	<i>Kadar</i>
11	Ku. Kalyani Suresh Thote	
12	Ku. Shruti Rajendra Pande	<i>Pande</i>
13	Ku. Divya G. Dube	<i>Dube</i>
14	Ku. Divya Charandas Khandare	<i>Khandare</i>
15	Ku. Anushka Suresh Tandulkar	<i>A. S. Tandulkar</i>
16	Ku. Alman Sadaf Md. Z. Hussain	<i>Alman</i>

ADARSHA SCIENCE, J. B. ARTS AND BIRLA COMMERCE MAHAVIDYALAYA,
DHAMANGAON RAILWAY

DEPARTMENT OF MICROBIOLOGY

CERTIFICATE COURSE IN CLINICAL LABORATORY TECHNOLOGY: 2023-24

Results

Sr.No.	Name of student	Theory Mark (100 M)	Practical Mark (50 M)	Total (150 M)
1	Ku. Vaishnavi Suresh Alone	80	44	124
2	Ku. Shrutika Prasanna	75	45	120
3	Ku. Rutuja Kishor Raut	82	44	126
4	Ku. Dhanashri Nilesh Chafale	76	44	120
5	Ku. Pallavi Atul Sarode	77	43	120
6	Ku. Achal Dilip Nimkar	81	44	125
7	Ku. Mayuri Rajesh Ghate	76	45	121
8	Ku. Tanuja Praful Raut	75	45	120
9	Ku. Isha Dharmendra Dewhare	73	46	119
10	Ku. Taiba Kashish Shekh	76	44	122
11	Ku. Kalyani Suresh Thote	77	45	122
12	Ku. Shruti Rajendra Pande	78	45	123
13	Ku. Divya G. Dube	80	44	124
14	Ku. Divya Charandas Khandare	75	45	120
15	Ku. Anushka Suresh Tandulkar	76	43	119
16	Ku. Aiman Sadaf Md. Z.	75	45	120


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



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

Department of Commerce

Tally Prime Certificate Course Notice

Date: 1.03.2024

All the students of **B.Com, B.A., BCA or B.Sc.** are hereby informed that 4th Tally Certificate Course will be conducted from 4th March to 4th April 2024 by Department of Commerce. All the participants will be awarded with the certificate.

Participation Fee Rs. 500/- only.

Dr. N. K. Nagpure

(Coordinator)

Dr. Y.B. Gandole

(Principal)

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

CERTIFICATE

Dhamangaon Education Society's
(Hindi Linguistic Minority Educational Institution)

**ADARSHA SCIENCE, J. B. ARTS & BIRLA
COMMERCE MAHAVIDYALAYA, DHAMANGAON RLY.**

NAAC REACCREDITED GRADE 'A+' (CGPA - 3.27)



4th Tally Prime Certificate Programme

Organised by

Department of Commerce

in Association with

Sai Excellence Skill Development Center

(Run by Guru-Sai Bahuuddeshiya Sanstha, Nagpur)

This is to certify that Mr./Ms. Prathmesh Vitthallaxao Dudhe

Class B.com I has successfully completed "One Month Tally Prime Certificate Course" during

the academic session 2023-2024 from 4th March 2024 to 6th April 2024.

Dr. Y. B. Gandole
Principal

Mr. Rajesh Nerkar
Certified Trainer

Dr. A. G. Naranje
Professor & Head

Dr. N. K. Nagpure
Convener

आदर्श विज्ञान, ज. भा. कला व बिरला वाणिज्य महाविद्यालय, धा. रे.
वाणिज्य विभाग

४ था Tally Prime Certificate Course अहवाल

येत्या काळात युवाना रोजगारक्षम बनविण्यासाठी ४ था Tally ERP व Prime लेखांकन प्रमाणपत्र कोर्सचे दि.४ मार्च २०२४ ते ६ एप्रिल २०२४ दरम्यान समन्वयक डॉ नरेंद्र नागपुरे यांनी वाणिज्य विभागात प्रशिक्षण दिले. सदर कार्यक्रमाला विविध विद्याशाखेतील ३२ विद्यार्थ्यांनी सहभाग नोंदविला. सर्व विद्यार्थ्यांनी एक महिना पूर्णवेळ उपस्थित राहून परीक्षा यशस्वीपणे उत्तीर्ण करून प्रमाणपत्र प्राप्त केले. सदर कोर्सचे प्रमाणपत्र प्राचार्य डॉ गांडोळे व वाणिज्य विभाग प्रमुख डॉ आनंद नरांजे यांच्या उपस्थितीत दि. १३ एप्रिल २०२४ या तारखेला वाटप करण्यात आले.



Dr. Anand Naranje
(Head - Commerce Department)



Dr. Y.B. Gandole
(Principal)

Department of Commerce
Student registered for 4th Tally prime certificate course :

2023-24

Attendance Date

S.No.	Name	Mob. No.	Class	04-03-2023	05-03-2023	06-03-2023	07-03-2023	09-03-2023
1	Anjali Taywade		B.Com.					
2	Anurja Walke	7972320631	B.Com.II	Anurja Walke	Anurja Walke	Anurja Walke	Anurja Walke	Anurja Walke
3	Anushka Gawande	9529106232	B.Com.II	Anushka Gawande	Anushka Gawande	Anushka Gawande	Anushka Gawande	Anushka Gawande
4	Ashwini Nehare	9030154116	B.Com.II	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare
5	Ashwini Wani	9322589264	B.Com.	Ashwini Wani	Ashwini Wani	Ashwini Wani	Ashwini Wani	Ashwini Wani
6	Diya Suryawanshi	7218076100	B.Com.II	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi
7	Gargi Mandale	9272012476	B.Com. I	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale
8	Gayatri Gulhane	8625963631	B.Com.II	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane
9	Kajal Somkuwar	9921823044	B.Com.	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar
10	Kalyani Londhe	9579272064	B.Com.II	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe
11	Kishor Nagapure	7350240380	B.Com.I	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure
12	Komal Bulle	8010225277	B.Com.II	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle
13	Kundan Gawale	7798783342	B.Com. II	Kundan Gawale	Kundan Gawale	Kundan Gawale	Kundan Gawale	Kundan Gawale
14	Mayuri Warathi	9309458019	B.Com.	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi
15	Naman Gawande	9359214067	B.Com.II	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande
16	Pranav Nagose	7821005461	B.Com. I	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose
17	Prathmesh Dudhe	9623261698	B.Com.	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe
18	Pratik Khandekar	8600231676	B.Com.III	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar
19	Pratiksha Vyavhare	9022427240	B.Sc.III	Pratiksha Vyavhare	Pratiksha Vyavhare	Pratiksha Vyavhare	Pratiksha Vyavhare	Pratiksha Vyavhare
20	Priyanka Shende		B.Com.II	Shende	Shende	Shende	Shende	Shende
21	Rushikesh Warghat	9999420307	B.Com.	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat
22	Ruttika Deshmukh	8978908336	B.Com.II	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh
23	Samiksha Hande	9356638896	B.Com.II	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande
24	Sandesh Budde	8767945360	B.Com.II	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde
25	Sayali Madavi	8010434199	B.Com.II	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi
26	Sneha Ghodkhande	8459389513	B.Com.II	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande
27	Srushti Choudhari	8767360875	B.Com.II	Srushti Choudhari	Srushti Choudhari	Srushti Choudhari	Srushti Choudhari	Srushti Choudhari
28	Vedanti Giri	9370516675	B.Com.II	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri
29	Yash Tarpe	8010737296	B.Com.I	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe
30	Zareen Firdos	9022092031	B.Com. II	Zareen Firdos	Zareen Firdos	Zareen Firdos	Zareen Firdos	Zareen Firdos
31	Dipali Aakhare	9620707830	B.Com.II	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare
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Adarsha Mahavidyalaya, Dmn Rly
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Attendance Date

S.No.	Name	Class	11-03-2024	12-03-2024	13-03-2024	14-03-2024	15-03-2024	16-03-2024
1	Anjali Taywade	B.Com.						
2	Anuja Walke	B.Com.II	Anuja Walke	Anuja Walke	Anuja Walke	Anuja Walke	Anuja Walke	
3	Anushka Gawande	B.Com.II	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka
4	Ashwini Nehare	B.Com.II	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	
5	Ashwini Wani	B.Com.	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	
6	Diya Suryawanshi	B.Com.II	Diya	Diya	Diya	Diya	Diya	
7	Gargi Mandale	B.Com.I	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale	
8	Gayatri Gulhane	B.Com.II	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	
9	Kajal Somkuwar	B.Com.	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	
10	Kalyani Londhe	B.Com.II	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe
11	Kishor Nagapure	B.Com.I	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure
12	Komal Bulle	B.Com.	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle
13	Kundan Gawale	B.Com.	Kundan Gawale	Kundan Gawale	Kundan Gawale	Kundan Gawale	Kundan Gawale	Kundan Gawale
14	Mayuri Warathi	B.Com.II	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi
15	Naman Gawande	B.Com.II	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande
16	Pranav Nagose	B.Com.I	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose	
17	Prathmesh Dudhe	B.Com.I	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe
18	Pratik Khandekar	B.Com.III	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar
19	Pratiksha Vyavhare	B.Sc.III	Pratiksha Vyavhare	Pratiksha Vyavhare	Pratiksha Vyavhare	Pratiksha Vyavhare	Pratiksha Vyavhare	Pratiksha Vyavhare
20	Priyanka Shende	B.Com.II	Shende	Shende	Shende	Shende	Shende	Shende
21	Rushikesh Warghat	B.Com.	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat
22	Ruttika Deshmukh	B.Com.II	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh
23	Samiksha Hande	B.Com.II	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande	
24	Sandesh Budde	B.Com.II	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde	
25	Sayali Madavi	B.Com.	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi	
26	Sneha Ghodkhande	B.Com.II	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	
27	Srushti Chaudhari	B.Com.II	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	
28	Vedanti Giri	B.Com.	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri	
29	Yash Tarpe	B.Com.	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe
30	Zareen Firdos	B.Com.	Zareen Firdos	Zareen Firdos	Zareen Firdos	Zareen Firdos	Zareen Firdos	Zareen Firdos
31	Pranav Dabhade	B.Com.	Pranav Dabhade	Pranav Dabhade	Pranav Dabhade	Pranav Dabhade	Pranav Dabhade	
32	Gaurav Malode	B.Com.	Gaurav Malode	Gaurav Malode	Gaurav Malode	Gaurav Malode	Gaurav Malode	
33	Dipali Aakhare	B.Com.II	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	
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Adarsha Mahavidyalya, Dmn Rly

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		Attendance Sheet						
S.No.	Name	Class	18-03-2024	19-03-2024	20-03-2024	21-03-2024	22-03-2024	23-03-2024
1	Anuraj Walke	B.Com.II	Anuraj	Anuraj	Anuraj	Anuraj	Anuraj	Anuraj
2	Anushka Gawande	B.Com.	Anushka		Anushka			Anushka
3	Ashwini Nehare	B.Com.II	Ashwini		Ashwini	Ashwini		Ashwini
4	Ashwini Wani	B.Com.	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
5	Diya Suryawanshi	B.Com.II	Diya	Diya	Diya	Diya	Diya	Diya
6	Gargi Mandale	B.Com.I	Gargi	Gargi	Gargi	Gargi	Gargi	Gargi
7	Gayatri Gulhane	B.Com.				Gayatri		
8	Kajal Somkuwar	B.Com.II	Kajal	Kajal	Kajal	Kajal	Kajal	Kajal
9	Kalyani Londhe	B.Com.	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani
10	Kishor Nagapure	B.Com.	Kishor	Kishor	Kishor	Kishor	Kishor	Kishor
11	Komal Bulle	B.Com.	Komal	Komal	Komal	Komal	Komal	Komal
12	Kundan Gawale	B.Com. II	Kundan	Kundan	Kundan	Kundan	Kundan	Kundan
13	Mayuri Warathi	B.Com.II	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
14	Naman Gawande	B.Com.II	Naman		Naman	Naman	Naman	
15	Pranav Nagose	B.Com.	Pranav		Pranav	Pranav	Pranav	Pranav
16	Prathmesh Dudhe	B.Com.	P.Dudhe	P.Dudhe	P.Dudhe	P.Dudhe	P.Dudhe	P.Dudhe
17	Pratik Khandekar	B.Com.III	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
18	Pratisha Vyawahare	B.Sc.III	Pratisha	Pratisha	Pratisha	Pratisha	Pratisha	Pratisha
19	Priyanka Shende	B.Com.	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
20	Rushikesh Warghat	B.Com.	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
21	Ruttika Deshmukh	B.Com.II	Ruttika	Ruttika	Ruttika	Ruttika	Ruttika	Ruttika
22	Samiksha Hande	B.Com. III	Samiksha	Samiksha	Samiksha	Samiksha	Samiksha	Samiksha
23	Sandesh Budde	B.Com.	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh
24	Sayali Madavi	B.Com.	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali
25	Sneha Ghodkhane	B.Com.II	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
26	Srushti Choudhari	B.Com.	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti
27	Vedanti Giri	B.Com.II	Vedanti	Vedanti	Vedanti	Vedanti	Vedanti	Vedanti
28	Yash Tarpe	B.Com.	Yash	Yash	Yash	Yash	Yash	Yash
29	Zarrin Firdos	B.Com.	Zarrin	Zarrin	Zarrin	Zarrin	Zarrin	Zarrin
30	Pranav Dabhade	B.Com.III	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav
31	Gaurav Malode	B.Com.	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
32	Dipoli Akhaze	B.Com.II	Dipoli	Dipoli	Dipoli	Dipoli	Dipoli	Dipoli
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S.No.	Name	Class	26-03-2024	27-03-2024	28-03-2024	29-03-2024	30-03-2024
1	Anuja Walke	B.Com. II	Anuja Walke	Anuja Walke	Anuja Walke	Anuja Walke	Anuja Walke
2	Anushka Gawande	B.Com. II					
3	Ashwini Nehare	B.Com. II	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare
4	Ashwini Wani	B.Com. II	Ashwini Wani	Ashwini Wani	Ashwini Wani	Ashwini Wani	Ashwini Wani
5	Diya Suryawanshi	B.Com. II	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi
6	Gargi Mandale	B.Com. I	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale
7	Gaurav Malode	B.Com. I	Gaurav Malode	Gaurav Malode	Gaurav Malode	Gaurav Malode	Gaurav Malode
8	Gayatri Gulhane	B.Com. II					
9	Kajal Somkuwar	B.Com. II	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar
10	Kalyani Londhe	B.Com. II	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe
11	Kishor Nagapure	B.Com. I	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure
12	Komal Bulle	B.Com. II	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle
13	Kundan Gawarle	B.Com. II	Kundan Gawarle	Kundan Gawarle	Kundan Gawarle	Kundan Gawarle	Kundan Gawarle
14	Mayuri Warathi	B.Com. III	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi
15	Naman Gawande	B.Com. II	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande
16	Pranav Nagose	B.Com. II	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose
17	Pranay Dabhade	B.Com. III	Pranay Dabhade	Pranay Dabhade	Pranay Dabhade	Pranay Dabhade	Pranay Dabhade
18	Prathmesh Dudhe	B.Com. II	Prathmesh Dudhe	Prathmesh Dudhe	Prathmesh Dudhe	Prathmesh Dudhe	Prathmesh Dudhe
19	Pratik Khandekar	B.Com. II	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar	Pratik Khandekar
20	Pratiksha Vyawahare	B.Com. III	Pratiksha Vyawahare	Pratiksha Vyawahare	Pratiksha Vyawahare	Pratiksha Vyawahare	Pratiksha Vyawahare
21	Priyanka Shende	B.Com. II	Priyanka Shende	Priyanka Shende	Priyanka Shende	Priyanka Shende	Priyanka Shende
22	Rushikesh Warghat	B.Com. I	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat
23	Ruttika Deshmukh	B.Com. II	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh
24	Samiksha Hande	B.Com. III	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande
25	Sandesh Budde	B.Com. II	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde
26	Sayali Madavi	B.Com. II	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi
27	Sneha Ghodkhane	B.Com. II	Sneha Ghodkhane	Sneha Ghodkhane	Sneha Ghodkhane	Sneha Ghodkhane	Sneha Ghodkhane
28	Srushti Chaudhari	B.Com. II	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari
29	Vedanti Giri	B.Com. II	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri
30	Yash Tarpe	B.Com. I	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe
31	Zarrin Firdos	B.Com. II	Zarrin Firdos	Zarrin Firdos	Zarrin Firdos	Zarrin Firdos	Zarrin Firdos
32	Dipali Aakhare	B.Com. II	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare

S.No.	Name	Class	01-04-2024	02-04-2024	03-04-2024	04-04-2024	05-04-2024	06-04-2024
1	Anuja Walke	B.Com.II	Anuja Walke	Anuja Walke	Anuja Walke	Anuja Walke	Anuja Walke	Anuja Walke
2	Anushka Gawande	B.Com.II	Anushka Gawande	Anushka Gawande	Anushka Gawande	Anushka Gawande	Anushka Gawande	Anushka Gawande
3	Ashwini Nehare	B.Com.II	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare	Ashwini Nehare
4	Ashwini Wani	B.Com.II	Ashwini Wani	Ashwini Wani	Ashwini Wani	Ashwini Wani	Ashwini Wani	Ashwini Wani
5	Diya Suryawanshi	B.Com.II	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi	Diya Suryawanshi
6	Gargi Mandale	B.Com.I	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale	Gargi Mandale
7	Gaurav Malode	B.Com.I	Gaurav Malode	Gaurav Malode	Gaurav Malode	Gaurav Malode	Gaurav Malode	Gaurav Malode
8	Gayatri Gulhane	B.Com.II	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane	Gayatri Gulhane
9	Kajal Somkuwar	B.Com.II	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar	Kajal Somkuwar
10	Kalyani Londhe	B.Com.II	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe	Kalyani Londhe
11	Kishor Nagapure	B.Com.I	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure	Kishor Nagapure
12	Komal Bulle	B.Com.II	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle	Komal Bulle
13	Kundan Gawarle	B.Com.II	Kundan Gawarle	Kundan Gawarle	Kundan Gawarle	Kundan Gawarle	Kundan Gawarle	Kundan Gawarle
14	Mayuri Warathi	B.Com.II	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi	Mayuri Warathi
15	Naman Gawande	B.Com.II	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande	Naman Gawande
16	Pranav Nagose	B.Com.I	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose	Pranav Nagose
17	Pranay Dabhade	B.Com.III	Pranay Dabhade	Pranay Dabhade	Pranay Dabhade	Pranay Dabhade	Pranay Dabhade	Pranay Dabhade
18	Prathmesh Dudhe	B.Com.II	Prathmesh Dudhe	Prathmesh Dudhe	Prathmesh Dudhe	Prathmesh Dudhe	Prathmesh Dudhe	Prathmesh Dudhe
19	Pratik Khandekar	B.Com.III	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe	P. Dudhe
20	Pratiksha Vyawahare	B.Sc.III	Pratiksha Vyawahare	Pratiksha Vyawahare	Pratiksha Vyawahare	Pratiksha Vyawahare	Pratiksha Vyawahare	Pratiksha Vyawahare
21	Priyanka Shende	B.Com.II	Priyanka Shende	Priyanka Shende	Priyanka Shende	Priyanka Shende	Priyanka Shende	Priyanka Shende
22	Rushikesh Warghat	B.Com.I	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat	Rushikesh Warghat
23	Ruttika Deshmukh	B.Com.II	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh	Ruttika Deshmukh
24	Samiksha Hande	B.Com.II	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande	Samiksha Hande
25	Sandesh Budde	B.Com.II	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde	Sandesh Budde
26	Sayali Madavi	B.Com.II	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi	Sayali Madavi
27	Sneha Ghodkhande	B.Com.II	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande	Sneha Ghodkhande
28	Srushti Chaudhari	B.Com.II	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari	Srushti Chaudhari
29	Vedanti Giri	B.Com.II	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri	Vedanti Giri
30	Yash Tarpe	B.Com.I	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe	Yash Tarpe
31	Zarrin Firdos	B.Com.II	Zarrin Firdos	Zarrin Firdos	Zarrin Firdos	Zarrin Firdos	Zarrin Firdos	Zarrin Firdos
32	Dipali Aakhare	B.Com.II	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare	Dipali Aakhare