

NAAC REACCREDITED WITH 'A' GRADE

# Sevadal Mahila Mahavidyalaya

**Place For Higher Learning & Research (Research Academy)**

Sakkardara Square, Umrer Road, Nagpur - 440024 (M.S.)

Phone No.: 0712-2705037, 2752344 Fax.: 0712-2705037

E-mail: [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com); [smm\\_college@yahoo.co.in](mailto:smm_college@yahoo.co.in)

Website: <https://sevadalimahilamahavidyalaya.ac.in>

## 5.1.3 Capacity building and skills enhancement initiatives

### SOFT SKILLS



**Academic Session: 2023-2024**



**'NAAC RE-ACCREDITED WITH 'A' GRADE**

# **Sevalal Mahila Mahavidyalaya**

**Place for Higher Learning & Research (Research Academy)**

**Sakkardara Square, Umrer Road, Nagpur-440 024**

**E-mail: sevamahilamv@gmail.com**

**Website: www.sevalalmahilamahavidyalaya.ac.in**

## **Certificate Course in Human Development**

**Department of Human Development**

**2023-24**

*Nawale*  
Nagpur.  
Sevalal Mahila Mahavidyalaya  
Off. Principal



**‘CERTIFICATE COURSE IN HUMAN DEVELOPMENT – “PSYCHOLOGICAL  
EVALUATION OF STUDENTS.”**

**About the course –**

In today’s society it is very likely that the majority of people will experience symptoms associated with stress, anxiety or depression at some point. However, most of the people are operating in an automatic pilot mode. The problem with living on automatic pilot is that our reaction to events, people and stress also tend to be automatic.

For many of us, the pace of modern life and the rapid technological changes, cause us constantly to feel unable to cope with the demands that are put upon us. These demands come from many different sources, home, relationships, money, job, health, self-esteem etc. leading to anxiety, depression or stress. There is an overuse of the words of anxiety, depression and stress to the point that they are misconstrued by people and are left unattended. Even a well-adjusted individual can break down if encountered with a torturous or stressful situation but for some people everyday problems could be disturbing challenges such as workplace pressures, public speaking, highly demanding schedules or writing an exam can lead to a sense of worry even fear.

43% of all adults suffer adverse health effects from stress. 75 to 90% of all patients visits to the physician are for stress-related ailments and complaints. Stress is linked to the six leading causes of death- heart disease, cancer, lung, ailments, accidents, cirrhosis of the liver and suicide.

In recent year population-based research has demonstrated higher risk for depression and suicide in those who are unemployed, those who have relatively lower income, and those who have relatively lower standard of living. Therefore, there is a need for an appropriate assessment technique inclusive of all three states of anxiety, depression and stress besides being bilingual and which is comprehensible for the illiterate and marginalized groups.

Tests are designed to measure various aspects of intellectual and emotional functioning, including personality traits, motivation beliefs and attitudes, ability and intelligence and various areas of emotional concern. They are distinguished from simple questionnaires by the techniques used in their construction and by the large body of information and evidence which has to be collected about their measurement properties and the meaning of their scores. All tests have a prescribed content, empirically defined measurement properties and standardized methods of administration and interpretation. You will be learning everything about psychological testing.

*Ms. Anubha*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date : 15/12/2023

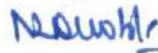
## NOTICE

All the students are hereby informed that the Certificate Course in '*Psychological Evaluation Of Students*' run by Department of Human Development is designed to apprise the students about the Psychological Scale and use in research. Interested students should contact following teachers for admission on or before 22<sup>nd</sup> December, 2023.

- 1) Dr. Neeta Tiwade, HOD.
- 2) Dr. Prabha Chinchkhede



**Prof. Pravin Charde**  
Principal  
Sevadal Mahila Mv, Nagpur



Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research- (Research Academy)  
Sakkardara Chowk Umtr Road Nagpur-440024

Date — 22/12/2023

## NOTICE

All the members of the Department of Human Development are hereby informed that the meeting regarding the Certificate Course in 'Psychological Evaluation Of Students' has been scheduled on 22<sup>nd</sup> December 2023 at 11.00 am at the Hon'ble Principal's Chamber' Hon'ble Principal will chair the meeting in presence of 'Dr. A. P. Lambat' NAAC Coordinator.

Agenda of the meeting :

- 1) To Review progress of framing syllabus of Psychological Evaluation of Students.
- 2) Any other matter with the permission of the chair.

*P.A. Chinchkhede*

Asst. Prof. Dr. P.A.Chinchkhede  
Course Coordinator  
Psychological Evaluation of Students

*NAAwble*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research- (Research Academy)  
Sakkardara Chowk Umrtr Road' Nagpur-440024

Minutes of the Meeting dated 27/12/2023 .  
Certificate Course in "Psychological Evaluation Of Students"

The meeting regarding the Certificate Course in ' held on 27/12/2023 at 11.00 am in the Hon'ble Principal's Chamber' Hon'ble Principal Sir presided over the meeting.

Agenda of the meeting:

- 1) To Review progress of framing syllabus of Psychological Evaluation of Students.
- 2) Any other matter with the permission of the chair.

Following Members were Present'

- |                                    |                    |
|------------------------------------|--------------------|
| 1) Dr. Pravin Charde,              | Chairman           |
| 2) Assosiate. Prof. Ashish Lambat  | IQAC Coordinator   |
| 3) Asst. Prof Dr. P.A. Chinchkhede | Course Coordinator |

Dr. Mrs. Prabha Chinchkhede, Course Coordinator acted as secretary in the meeting' The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The coordinator read out the agenda of the meeting and subsequently discussed the matter'

No.1: To review the progress of framing the syllabus of Psychological Evaluation Of Students.

Resolution: course coordinator tabled the newly framed syllabus of certificate Course in Psychological Evaluation Of Students.in the meeting' After through discussion it was approved unanimously.

Item No.3: Any other matter with the permission of Chair'

Resolution: Hon'ble Principal directed the Coordinator to start admissions for the students after Diwali Vacation'

As there was no other matter to discuss, the meeting was concluded with vote of thanks by the coordinator of the course.

Name

Signature

1) Hon'ble Dr. Pravin Charde



2) Dr. A. P. Lambat



3) Dr. P.A. Chinchkhede



Handwritten: *Pravin Charde*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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### SYLLABUS

#### Certificate Course in Human Development- 'Psychological Evaluation Of Students'

##### OBJECTIVES :

1. In-depth understanding about psychological assessments.
2. Updated knowledge on formal and informal assessments.
3. Practical work knowledge about conducting assessments.
4. Exposure to various assessment practices.

##### COURSE OUTCOME:

- To develop an understanding of the principles of assessment.
- To develop beginning competency in the application of assessment principles to selecting and using assessment instruments.
- To acquaint students with various assessment techniques.
- To familiarize students with the concepts of basic psychological testing.
- To develop the skills of psychological testing and scientific reporting.

##### COURSE FEATURE:

- 1) Three months course
- 2) Two lectures in a week
- 3) Internal Assessment (Written Examination)
- 4) Self-study with the help of course reference materials.
- 5) Each module will have its own activity and a pragmatic paper for better understanding.

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Sevadal Mahila Mahavidyalaya  
Nagpur.



**UNIT 1 :-** Theory of Psychological Assessment and Test construction- Psychological Assessment: Parameters of Assessment; Psychophysical Methods; Psychological Scaling. Test Construction: Item Writing; Item Analysis; Reliability; Validity; Norm Development.

**UNIT 2 :-** Psychophysical techniques – Reaction Time; Embedded Figures; Geometric Illusions; Thresholds, Signal Detection

**UNIT 3 :-** Dimension of testing and their relevant test.- Assessment of Abnormal Functioning: Substance Abuse; Stress; Anxiety; Depression and disease prone personality.

**UNIT 4:-** Assessment and Report writing.

**Internal Assessment:** Written Examination

**Distribution of Marks.**

**Theory** :- 50 marks

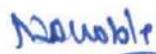
**Field work** :- 40 marks.

**Internal Assessment** :- 10 marks



**Dr. Prabha Chinchkhede**  
*Course Coordinator*  
Psychological Evaluation

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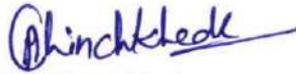


**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**  
**PSYCHOLOGICAL EVALUATION OF STUDENTS**  
**DEPARTMENT OF HUMAN DEVELOPMENT**

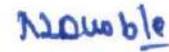
**TIME TABLE- 2023-2024**

**Duration of the course – January To March**

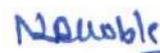
DAY	Time	Field work
FRIDAY	11.40am To 12.30pm	
SATURDAY	11.40am To 12.30pm	



Dr. Prabha Chinchkhede  
Course co-ordinator



Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur.

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



To,  
The Principal,  
Sevadal Mahila Mahavidyalaya,  
Nagpur.

Subject :- Submission of course syllabus of “ Psychological Evaluation Of Students.”

Reference :- Your letter on Dated – 3<sup>rd</sup> August 2023.

Respected Sir,

With reference to your letter dated 03/08/2023, we, at the department of Human Development (Faculty of Home Science) feel very happy to design the syllabus of certificate course “Psychological Evaluation” for the college students of Sevadal Mahila Mahavidyalaya, Nagpur.

The purpose of the course is to inculcate the performance skill among the students and enable them for the better Research work. This presents skill base course in Psychological Evaluation will play a pivotal role in developing the better personality.

I, hereby, request you to endorse the designed syllabus and if you find any discrepancy, please convey the same. Only after your approval, the next level of planning to commence the course would be prepared.

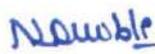
Thanking you.

Date :- 02/09/2023

With regards,



Dr. Prabha Chinchkhede  
Course co-ordinator

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR  
CERTIFICATE COURSE  
PSYCHOLOGICAL EVALUATION OF STUDENTS

S.NO.	NAME OF STUDENTS	CLASS
1	Ms. Krutika Nitin Titarmare	B.A.III
2	Ms. Pushpa Manohar Atkare	B.A.III
3	Ms. Sakshi Nitin Pande	B.A.III
4	Ms. Mahek Saliom Pathan	B.A.III
5	Ms. Nidhi Sadashiv Kathe	B.A.III
6	Ms. Pratiksh Pradeep Panchbhai	B.A.III
7	Ms. Samiksha Pradeep Panchbhai	B.A.III
8	Ms. Sonu Suresh Kumbhalkar	B.A.III
9	Ms. Ekta Santosh Gode	B.A.III
10	Ms. Karishma Kishor Nandanwar	B.Sc.III (H.Sc.)
11	Ms. Pratiksha G. Patil	B.Sc.III (H.Sc.)
12	Ms. Srushti Sunil Sorte	B.Sc.III (H.Sc.)
13	Ms. Rutuja Arun Dandekar	B.Sc.III (H.Sc.)
14	Ms. Divyani Dattu Waghade	B.Sc.III (H.Sc.)
15	Ms. Shreya Moreshwar Meshram	B.A.III
16	Ms. Nishika Niranjana Rangari	B.A.III
17	Ms. Nandini Mahesh Sawalakhe	B.A.III
18	Ms. Pratimea Vinod Haware	B.A.III
19	MS. Saloni H. Nanwatkar	B.A.III
20	MS. Minal Arun Ganvir	B.A.III
21	Ms. Hasina Bano Khan	B.Sc.III (H.Sc.)
22	Ms. Ruchika Mohan Giripunje	B.A.III
23	Ms. Durga I. Naitam	B.A.III

*N. D. Wagh*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



**SEVADAL MAHILA MAHAVIDYALAYA,**  
**SAKKARDARA SQUIRE, UMRER ROAD, NAGPUR.**  
**EXAMINATION OF CERTIFICATE COURSE,**  
**PSYCHOLOGICAL EVALUATION OF STUDENTS.**  
**SESSION 2023-24**

Max. Marks. 50

Note:- 1) Solve any five Questions.  
2) All Questions are equal Marks

- |  |    |
|--|----|
| 1. Explain psychological evaluation.                       | 10 |
| 2. Write the evaluation domains.                           | 10 |
| 3. Write the different methods of research survey.         | 10 |
| 4. Write the importance of psychological evaluation.       | 10 |
| 5. Explain the role of family in psychological evaluation. | 10 |
| 6. In which entail could be the psychological evaluation.  | 10 |

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Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440 024.

## Certificate Course in Psychological Evaluation Of Students Academic session 2023-24

### Mark Sheet

S.No.	Name of Students	Marks Obtained				In Words	Grade
		Theory 50	Field work 40	Internal Assessment 10	Total 100		
1	Ms.Krutika N. Titarmare	37	34	8	79	Seventy Nine	A
2	Ms.Pushpa M. Atkare	38	36	10	84	Eighty four	A
3	Ms. Sakshi N. Pande	32	30	10	72	Seventy Two	A
4	Ms.Mahek S. Pathan	31	33	9	73	Seventy Three	A
5	Ms.Nidhi S. Kathe	40	35	10	85	Eighty Five	A
6	Ms.Pratiksha P. Panchbhai	30	31	9	70	Seventy only	A
7	Ms.Samiksha p. Panchbhai	32	30	10	72	Seventy Two	A
8	Ms.Sonu S. Kumbhalkar	33	32	9	74	Seventy Four	A
9	Ms.Ekta S. Gode	36	33	10	79	Seventy Nine	A
10	Ms.Karishma K. Nandanwar	39	35	10	84	Eighty Four	A
11	Ms.Pratiksha G. Patil	35	32	10	77	Seventy Seven	A
12	Ms.Srushti S. Sorte	32	30	9	71	Seventy One	A
13	Ms.Rutuja A. Dandekar	33	30	10	73	Seventy Three	A
14	Ms.Divyani D. Waghade	34	32	10	76	Seventy Six	A
15	Ms.Shreya M. Meshram	29	31	9	69	Sixty Nine	A
16	Ms.Nishika N. Rangari	32	29	10	71	Seventy One	A
17	Ms.Nandini M. Sawalakhe	33	30	10	73	Seventy Three	A
18	Ms.Pratima V. Haware	34	32	10	76	Seventy Six	A
19	Ms.Saloni H. Nanwatkar	29	28	10	67	Sixty Seven	A
20	Ms.Minal A. Ganvir	30	29	10	69	Sixty Nine	A
21	Ms.Hasina Bano Khan	35	32	10	77	Seventy Seven	A
22	Ms.Ruchika M. Giripunje	31	29	10	70	Seventy Only	A
23	Ms. Durga I. Naitam	28	27	10	65	Sixty Five	A

*Prabha Chinchkhede*  
Dr. Prabha Chinchkhede  
Course Co-Ordinator

*Nirupama S. Dhoble*  
Dr. Nirupama S. Dhoble  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur

*Nirupama S. Dhoble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur,





## Certificate Course in Psychological Evaluation of Students

Certificate course in Psychological Evaluation of Students was introduced in the college by Department of Human Development from the academic session 2023-24. It is designed to apprise the students about the psychological scale for research.

In the session 2023-24, new batch was enrolled for the "certificate course in Psychological Evaluation of Students Total 23 (Twenty Three) students were admitted to the course. Accordingly, course was conducted from 1<sup>st</sup> January 2024 to 31<sup>th</sup> March 2024. Examination was conducted on 25<sup>th</sup> April, 2024. Subsequently, the certificates were distributed among the enrolled students.

*Chinchkhede*

**Dr. Mrs. P. A. Chinchkhede**  
Asst. Professor  
Department of Home Economics  
Sevadal Mahila Mv, Nagpur

*Nauoble*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.





Sevalal Shikshan Sanstha's  
NAAC RE-ACCREDITED WITH 'A' GRADE

## Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

### Certificate of Completion

This certificate is awarded to

*Ms. Ruchika M. Giripurje*

she has successfully completed the Certificate Course in  
*"Psychological Evaluation of Students,*  
conducted by the Department of Human Development.

Date : 30/04/2024

Dr. (Mrs.) Prabha A. Chinchkhede  
Course Coordinator

Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur



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Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.



Seval Education Society's

# Seval Mahila Mahavidyalaya

**NAAC RE-REACCREDITED WITH 'A' GRADE**

Sakkardara Square, Umrer Road, Nagpur - 440 024 (M.S.)

Phone No.: 0712-2705037, 2751344 Fax: 0712-2705037

E-mail: sevamahilamv@gmail.com; smm\_college@yahoo.co.in

Website: <https://sevalmahilamahavidyalaya.ac.in>

## CERTIFICATE COURSE

**“Preparation of Liquid Soap and Detergents Powder”**

(Duration - Three Months)

### *Course Co-ordinators*

**Prof. (Mrs.) M. P. Patil**

**Prof. (Mrs.) P. P. Chahande**

Department of Chemistry,  
Seval Mahila Mahavidyalaya,  
Nagpur

**2023 – 2024**

**Course Title : Preparation of liquid soap and detergent powder**

**Brief Description of the Course and Objectives:**

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Off. Principal

Seval Mahila Mahavidyalaya  
Nagpur.



Soaps and detergents are very essential for personal hygiene. We use them in order to wash our hands, our faces and our bodies but also to wash our dishes, our clothes and all the surfaces we come in contact with. Looking towards need of our, we have decided to conduct certificate course on," Preparation of liquid soap and detergent powder."

Preparation of liquid soap and detergent powder certificate course was organized by faculties of Chemistry Department for students to increase skills and knowledge through work or other experiences. It can help them to gain recognition for their skills and knowledge and to improve their career prospects.

Thirty three students were registered for the certificate course. Theory and practicals were conducted as per syllabus given. In theory preparation of various types of liquid soaps and detergent powders were discussed and notes were provided to students. Neem leaves, Aloe Vera, Lemon are used for preparation of liquid soap. Students were very happy after preparation of liquid soap.

Theory examination and practical examination were carried out in the month of April. Certificates were distributed to students. Certificate course was conducted successfully.

**Objectives:**

Undergraduate Department of Chemistry, Sevadal Mahila Mahavidyalaya offers 46 hours certificate course," Preparation of liquid soap and detergent powder " The certificate course includes the preparation of Detergent powder and liquid soap. Soap and detergent is our daily need as far as hygiene is concerned. In order to learn about the preparation of soap this course is beneficial. It is the necessary to learn the importance of soap as it is a hygiene product. This certificate course is the need of the hour and the students should know the different types of detergent and liquid soaps available in the market and also it is necessary to make them familiarize with the ingredients needed to manufacture detergent and soaps . Looking towards the high price of the chemicals it is very necessary to teach the students to make soaps with minimum equipments and tools and to inculcate the idea of entrepreneurship in them.



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Sevadal Mahila Mahavidyalaya  
Nagpur.

**Course Outline:**

- 1) Course will include theory and Practical.
- 2) Selection of raw material.
- 3) Preparation of detergent and liquid soap.
- 4) Determination of physical properties of detergent and liquid soap.

**Syllabus :**

Introduction of oils and fats and their sources, structure and composition of oils and fats, glycerides and fatty acids, classification, Natural sources of oils and fats. Types of liquid soap, Moisturizing soap, Antibacterial soap, Natural soap, Chemical free soap.

Introduction to synthetic detergents, Types of detergents, classification of detergents (anionic, cationic, nonionic, amphoteric) raw material for soaps and detergents, general principles of soap making, saponification reaction. Detergent Powders- Introduction, Formulation Requirements, Production of detergent powders by dry mixing. Applications of detergents. Preparation of liquid soap by using natural ingredients like Haldi, Neem, Multani Mitti and Aloe vera

**Teaching Methodology:**

1. Chalk and board method
2. Power point presentation
3. Preparation of detergent and soap
4. Analysis of prepared material
5. Introduction and explanation of various instruments for synthesis and characterization of detergents.

**Assessment of Students :**

Assessment and evaluation – Theory (60 marks) and Practical Marks (30 marks) and Internal Assessment(10). After completion of course the successful students will be awarded certificate.

Assessment of students will be done through theoretical assignments/seminars.



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Off. Principal  
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Nagpur.

**Duration : Three months**

**Total Hrs: 46 Hrs.**

- Theory - 30 hrs.
- Practicals - 16 hrs.

**Time : Practical: 11.00 am. to 12.30 pm**

**Theory Classes: 3.00 pm to 4.00 pm on Monday and Tuesday**

**After completion of the course successful candidates will be awarded Certificates.**

**Learning Outcomes:**

- Student will get some additional knowledge of preparation of liquid soap and detergent.
- It will increase creativity amongst students.
- It will help for the development of another source of income to students.
- It will help to start their own firms.
- It will help student to generate employment for others.



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**Off. Principal**  
**Sevadal Mahila Mahavidyalaya**  
**Nagpur.**

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**Place for Higher Learning and Research (Research Academy)**

**Sakkardara Square, Umred Road, Nagpur-440024**

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Date- 04.12.2023

**NOTICE**

All the members of the Department of Chemistry are hereby informed that the meeting regarding the Certificate Course in Chemistry has been scheduled on 11<sup>th</sup> Dec. 2023 at 11.30am at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of A.P. Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To commence three Certificate Courses in Chemistry Department for UG and PG students.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.

**Copy to:**

Dr. A. P. Lambat, NAAC Coordinator

*Mrs. A. S. Mahakalkar*  
**Prof. A. S. Mahakalkar**

Head,  
Department of Chemistry  
Sevadal Mahila Mahavidyalaya,  
Nagpur



*Nalwble*  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

**Sevadal Mahila Mahavidyalaya**  
**Place for Higher Learning and Research (Research Academy)**  
**Sakkardara Square, Umred Road, Nagpur-440024**

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Minutes of the Meeting dated on 11.12.2023

**Certificate Courses in Department of Chemistry**

The meeting regarding the Certificate Courses run by Department of Chemistry was held on 11<sup>th</sup> Dec. 2023 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To commence three Certificate Courses in Chemistry Department for UG and PG students.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.

**Following Members were present.**

- |                                   |                               |
|-----------------------------------|-------------------------------|
| 1) Prof. Pravin Charde, Principal | Chairman                      |
| 2) Dr. A. P. Lambat               | IQAC Coodinator               |
| 3) Prof. A. S. Mahakalkar         | Head, Department of Chemistry |
| 4) Prof. N. S.Dhoble              | Member                        |
| 5) Prof. M. P. Patil              | Member                        |
| 6) Dr.Mrs.P.P. Chahande           | Member                        |
| 7) Dr. Mrs. A. M. Duragkar        | Member                        |
| 8) Dr. Mrs. P. P. Morey           | Member                        |

Prof. A.S. Mahakalkar , Head, Department of Chemistry acted as secretary in the meeting. Head of Department welcomed the Chairperson, Hon'ble Principal, other members and called the meeting in order with permission of chairperson, read out agenda of the meeting and subsequently discussed the matter.



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Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

1) **Item No. 1:** To commence three certificate courses in Chemistry Department.

**Resolution :** Unanimously it was decided to commence the Certificate Course in Department of Chemistry from the session 2023-24 with course name and coordinators as follows-

A) "Synthesis and Characterization of Inorganic Phosphors"

**Coordinator:** Prof Mrs. N. S. Dhoble      **Member:** Dr. Mrs. A. M. Duragkar

B) "Preparation of Liquid Soap and Detergent Powder".

**Coordinator:** Prof. Mrs. M. P. Patil      **Member:** Dr. P. P. Chahande

C) "Biodegradation of Kitchen Waste"

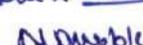
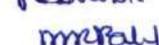
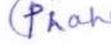
**Coordinator:** Dr Mrs A. S. Mahakalkar      **Member :** Dr. P. P. Morey

2) **Item No. 2:** To frame the syllabus of the course.

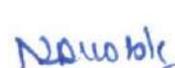
**Resolution:** Hon'ble Principal expressed his views regarding the framing of course syllabus. Coordinators and members were asked to prepare syllabus of the respective Certificate Courses.

3) **Item No. 3:** Any other matter with the permission of Chair.

**Resolution:** As there was no other matter to discuss, the head of department of chemistry sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1. Prof. Pravin Charde, Principal	
2. Dr. A. P. Lambat	
3. Prof. A. S. Mahakalkar	 A. S. Mahakalkar
4. Prof. N. S. Dhoble	 N. S. Dhoble
5. Prof. M. P. Patil	 M. P. Patil
6. Dr. Mrs. P. P. Chahande	 P. P. Chahande
7. Dr. Mrs. A. M. Duragkar	 A. M. Duragkar
8. Dr. Mrs. P. P. Morey	 P. P. Morey



  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

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**Sevadal Mahila Mahavidyalaya**

**Place for Higher Learning and Research (Research Academy)**

**Sakkardara Square, Umred Road, Nagpur-440024**

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Date- 15.12.2023

**NOTICE**

All the UG students of science faculty are hereby informed that college has started various certificate courses. One of them is certificate course in "Preparation of Liquid Soap and Detergent Powder" run by Department of Chemistry.

Interested students should contact following teachers for admission on or before 30<sup>th</sup> Dec 2023.

- 1) Prof. Mrs. M. P. Patil
- 2) Prof. Mrs. P. P. Chahande

**Prof. Pravin Charde**

Principal

Sevadal Mahila Mahavidyalaya,

Nagpur



*Nauable*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

**List of students enrolled for the certificate course of  
“Preparation of liquid soap and detergent powder”**

S.N.	Name of Student	Class
1	Ms. Aishwarya Gajbhiye	B.Sc Sem VI (CBZ)
2	Ms. Anisha Mendhe	B.Sc. Sem VI
3	Ms. Damini Bhure	B.Sc. Sem VI
4	Ms. Karishma Dhurve	B.Sc. Sem VI
5	Ms. Khushi Nagpure	B.Sc. Sem VI
6	Ms. Mishba Sheikh	B.Sc. Sem VI
7	Ms. Rupali Nanwate	B.Sc. Sem VI
8	Ms. Shaileja Taratkar	B.Sc. Sem VI
9	Ms. Shravani Kamdi	B.Sc. Sem VI
10	Ms. Vibhavari Padhye	B.Sc. Sem VI
11	Ms. Vishakha Bajanghate	B.Sc. Sem VI
12	Ms. Isha Dadmal	B.Sc. Sem VI
13	Ms. Nikita Shirke	B.Sc. Sem VI
14	Ms. Payal Umale	B.Sc. Sem VI
15	Ms. Monali Ajbale	B.Sc. Sem VI
16	Ms. Rutuja Manapure	B.Sc. Sem VI
17	Ms. Shoba Zure	B.Sc. Sem VI
18	Ms. Tanushree Thawkar	B.Sc. Sem VI
19	Ms. Vedanti Chanchuwar	B.Sc. Sem VI
20	Ms. Zufi Fatema	B.Sc. Sem VI
21	Ms. Javeria Fatema	B.Sc. Sem VI
22	Ms. Kalyani Tijare	B.Sc. Sem VI
23	Ms. Ashlesha Vairagade	B.Sc. Sem VI
24	Ms. Dimple Shrikhandkar	B.Sc. Sem VI
25	Ms. Sakshi Belsare	B.Sc. Sem VI
26	Ms. Shahareen Parveen	B.Sc. Sem VI
27	Ms. Shriya Kandge	B.Sc. Sem VI
28	Ms. Swati chavan	B.Sc. Sem VI
29	Ms. Tanu Wandhare	B.Sc. Sem VI
30	Ms. Tisha Vaidya	B.Sc. Sem VI
31	Ms. Vedanti Gadekar	B.Sc. Sem VI
32	Ms. Rashmi Gautam	B.Sc. Sem VI
33	Ms. Sejal Shinde	B.Sc. Sem VI

*Chahande*  
Dr. Mrs. P .P. Chahande  
( Member)

Prof. Mrs. M.P. Patil  
(Course Coordinator)



*N. D. Wable*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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**Place for Higher Learning and Research (Research Academy)**

**Sakkardara Square, Umred Road, Nagpur-440024**

Date- 01.04.2024

**NOTICE**

All the members of the Department of Chemistry are hereby informed that the meeting regarding the Certificate Course in Chemistry has been scheduled on 5<sup>th</sup> April 2024 at 11.30 am at the hon'ble Principal's Chamber.

Hon'ble Principal madam will chair the meeting in presence of A.P. Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the completion of certificate course syllabus and to decide examination schedule of the course.
- 3) Any other matter with the permission of the chair.

**Copy to:**

Dr. A. P. Lambat, NAAC Coordinator

*Ms. A. S. Mahakalkar*

**Prof. A. S. Mahakalkar**

Head,

Department of Chemistry

Sevadal Mahila Mahavidyalaya,

Nagpur



*Nohobk*

Off. Principal

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**Sevadal Mahila Mahavidyalaya**

**Place for Higher Learning and Research (Research Academy)**

**Sakkardara Square, Umred Road, Nagpur-440024**

**Minutes of the Meeting dated on 05.04.2024  
Certificate Courses in Department of Chemistry**

The meeting regarding the Certificate Courses run by Department of Chemistry was held on 5<sup>th</sup> April 2024 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal madam presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the completion of certificate course syllabus and to decide examination schedule the course.
- 3) Any other matter with the permission of the chair.

**Following Members were present.**

- |                            |                               |
|----------------------------|-------------------------------|
| 1) Prof. N. S.Dhoble       | Member                        |
| 2) Dr. A. P. Lambat        | IQAC Coodinator               |
| 3) Prof. A. S. Mahakalkar  | Head, Department of Chemistry |
| 4) Prof. M. P. Patil       | Member                        |
| 5) Dr.Mrs.P.P. Chahande    | Member                        |
| 6) Dr. Mrs. A. M. Duragkar | Member                        |
| 7) Dr. Mrs. P. P. Morey    | Member                        |

Prof. A.S. Mahakalkar , Head, Department of Chemistry acted as secretary in the meeting. Head of Department welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with permission of chairperson, read out agenda of the meeting and subsequently discussed the matter.



*Aloumbis*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

1) **Item No. 1:** To confirm the minutes of the last meeting.

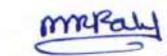
**Resolution :** The minutes of the last meeting held on 11<sup>th</sup> Dec 2023 were read by the Head of Department of Chemistry and subsequently the minutes were unanimously approved.

2) **Item No. 2:** To review the completion of certificate course syllabus and to decide examination schedule of the course.

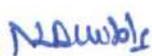
**Resolution:** Hon'ble Principal madam overviewed the course completion of respective certificate courses run by department of chemistry and also guided about the examination pattern and schedule of examination to be commenced in this month.

4) **Item No. 3:** Any other matter with the permission of Chair.

**Resolution:** As there was no other matter to discuss, the head of department of chemistry sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1. Prof. N. S.Dhoble	
2. Dr. A. P. Lambat	
3. Prof. A. S. Mahakalkar	Mrs. A. S. Mahakalkar
4. Prof. M. P. Patil	
5. Dr. Mrs. P. P. Chahande	Chahande
6. Dr. Mrs. A. M. Duragkar	
7. Dr. Mrs. P. P. Morey	



  
Off. Principal  
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Nagpur.

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**Place for Higher Learning and Research (Research Academy)**

**Sakkardara Square, Umred Road, Nagpur-440024**

Date- 15.04.2024

**NOTICE**

All the students enrolled for Certificate Course "Preparation of Liquid Soap and Detergent Powder" are hereby informed that the timetable of theory and practical examination is as follows-

<b>Date</b>	<b>Time</b>
25.04.2024 Theory	11.00am- 2.00 pm
29.04. 2024 Practical	11.00am -2.00pm

Take note of the same.

*Prachande*

**Dr. Mrs. P. P. Chahande**

Member,

Certificate Course

Sevadal Mahila Mahavidyalaya,

Nagpur

*Meevali*

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# Sevadal Mahila Mahavidyalaya

Sakkardara Square, Umrer Road, Nagpur-440024

Note: All questions are compulsory.

Q 1) Objective questions

(1 x 25=25)

1. Soap is a
  - a) Reducing agent
  - b) Cleansng agent
  - c) Oxidising agent
  - d) D) None
2. Soap is used for the purpose of
  - a) Washing
  - b) Cleaning
  - c) Moulding
  - d) Both a) & b)
3. Soaps are salts of
  - a) Sodium
  - b) Magnesium
  - c) Calcium
  - d) None
4. Soap reduces ----- of water.
  - a) Density
  - b) Viscosity
  - c) Surface tension.
  - d) None
5. Green soap is used for
  - a) Hair problem
  - b) Skin problem
  - c) Both hair & skin
  - d) None
6. An alkaline compound used for cleaning o stripping point
  - a) Toilet soap
  - b) Yellow soap
  - c) Aluminium soap
  - d) Sugar soap
7. Which soap is used for cleaning leather
  - a) Soft soap
  - b) Saddle soap
  - c) Green soap
  - d) None
8. Phenol containing soap is called as
  - a) Yellow soap
  - b) Fragrant soap
  - c) Carbolic soap
  - d) None



*MAA*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

- a) Calcium salt of stearic acid
  - b) Calcium salt of heptadecanesulphonic acid
  - c) Magnesium salt of sulphonic acid
  - d) Potassium salt of sulphonic acid
19. Which of the following is not used in the preparation of soap
- a) Palmitic acid
  - b) Stearic acid
  - c) Lauric acid
  - d) Benzoic acid
20. Soap is
- a) Colidal electrolyte
  - b) Colidal Nonelectrolyte
  - c) Areosol
  - d) None
21. Fat is
- a) Fatty acid
  - b) Soap
  - c) Glycerol
  - d) Ester
22. The chemical name of washing soda
- a) Sodium carbonate
  - b) Sodium bicarbonate
  - c) Sodium chloride
  - d) Sodium sulphate
23. Soaps are the sodium salts of which of the following
- a) Mineral acids
  - b) Fatty acids
  - c) Lactic acids
  - d) Carbonic acid
24. The process of manufacturing soap is called as
- a) Ion exchange
  - b) Sulphonaton
  - c) Saponiphication
  - d) Distillation
25. Common salt means
- a) Potassium chloride
  - b) Sodium chloride
  - c) Magnesium chloride
  - d) Aluminium chloride
- Q.2) What are the pros and cons of power detergent (10)
- Q.3) What are soaps and detergent (10)
- Q.4) Give the preparaiton of liquid soap (10)
- Q.5) Write a short note on saponification (05)



*N Duble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

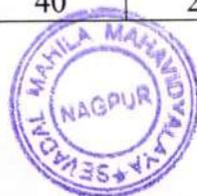
**Sevadal Mahila Mahavidyalaya, Nagpur**  
**Certificate Course Examination 2023-2024**

Name of Exam Centre: **Sevadal Mahila Mahavidyalaya, Nagpur**

Title of the Certificate Course: **Preparation of Liquid Soap and Detergent Powder**

**Summary of Marks**

S.N.	Name of Student	Class	Theory (60 marks)	Practical (30 Marks)	Internal (10 marks)	Total (100)
1	Ms. Aishwarya Gajbhiye	B.Sc Sem VI (CBZ)	50	30	10	89
2	Ms. Anisha Mendhe	B.Sc. Sem VI	42	29	09	80
3	Ms. Damini Bhure	B.Sc. Sem VI	43	28	08	79
4	Ms. Karishma Dhurve	B.Sc. Sem VI	41	27	09	77
5	Ms. Khushi Nagpure	B.Sc. Sem VI	40	27	08	75
6	Ms. Mishba Sheikh	B.Sc. Sem VI	43	26	09	78
7	Ms. Rupali Nanwate	B.Sc. Sem VI	45	28	09	82
8	Ms. Shaileja Taratkar	B.Sc. Sem VI	40	25	09	74
9	Ms. Shravani Kamdi	B.Sc. Sem VI	40	28	08	76
10	Ms. Vibhavari Padhye	B.Sc. Sem VI	41	26	08	75
11	Ms. Vishakha Bajanghate	B.Sc. Sem VI	44	27	08	79
12	Ms. Isha Dadmal	B.Sc. Sem VI	46	27	09	82
13	Ms. Nikita Shirke	B.Sc. Sem VI	47	29	09	85
14	Ms. Payal Umale	B.Sc. Sem VI	43	28	08	79
15	Ms. Monali Ajbale	B.Sc. Sem VI	42	26	08	76
16	Ms. Rutuja Manapure	B.Sc. Sem VI	48	28	08	84
17	Ms. Shoba Zure	B.Sc. Sem VI	50	30	09	89
18	Ms. Tanushree Thawkar	B.Sc. Sem VI	46	26	09	81
19	Ms. Vedanti Chanchuwar	B.Sc. Sem VI	49	29	09	87
20	Ms. Zufi Fatema	B.Sc. Sem VI	46	25	08	79
21	Ms. Javeria Fatema	B.Sc. Sem VI	41	24	08	73
22	Ms. Kalyani Tijare	B.Sc. Sem VI	43	26	09	78
23	Ms. Ashlesha Vairagade	B.Sc. Sem VI	50	28	08	86
24	Ms. Dimple Shrikhandkar	B.Sc. Sem VI	49	28	09	86
25	Ms. Sakshi Belsare	B.Sc. Sem VI	48	29	08	85
26	Ms. Shahareen Parveen	B.Sc. Sem VI	44	25	09	78
27	Ms. Shriya Kandge	B.Sc. Sem VI	45	26	08	79
28	Ms. Swati chavan	B.Sc. Sem VI	43	29	09	81
29	Ms. Tanu Wandhare	B.Sc. Sem VI	49	28	09	86
30	Ms. Tisha Vaidya	B.Sc. Sem VI	48	29	09	86
31	Ms. Vedanti Gadekar	B.Sc. Sem VI	49	29	08	86
32	Ms. Rashmi Gautam	B.Sc. Sem VI	47	27	08	82
33	Ms. Sejal Shinde	B.Sc. Sem VI	40	20	09	69



*Nadurkar*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

Total No. of Students Enrolled = 33  
No. of Students Absent = 00  
Total No. of Students Appeared = 33

*P. Chahande*  
Dr. Mrs. P.P. Chahande  
(Member)

*mrpatil*  
Prof. Mrs. M. P. Patil  
(Course Coordinator)

**Course Co-ordinators:**

- 1 Dr. (Mrs.) M. P. Patil, Professor, Sevadal Mahila Mahavidyalaya, Nagpur.
- 2 Dr. (Mrs.) P. P. Chahande, Professor, Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.



*N. S. W. Patil*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.





SEVADAL SHIKSHAN SANSTHA  
NAAC HE-AC  
**SEVADAL MAHILA MAH  
& RESEARCH ACADEMY**  
Sakkardara Square, Umrer Rd

Practicals

Roll No.	NAME	Attendance for the												Month of
		19	20	1	2	3	4	5	6	7	8	9	10	
1.	Ms. Anishwarya Gajbhaye	P	P	P	P	A	P	P	P	P	P	A	P	
2.	" Anisha Mendhe	P	A	P	P	P	P	P	P	P	A	P	P	
3.	" Damini Bhure	P	P	A	P	P	P	P	P	P	P	A	P	
4.	" Karishma Dhurve	P	P	P	P	A	P	P	P	P	P	P	A	
5.	" Khusbi Nagpure	P	P	P	P	A	P	P	P	P	A	P	P	
6.	" Misha Shekh	P	A	P	P	P	P	P	A	P	P	P	P	
7.	" Rupali Nanwate	P	A	P	P	P	A	P	P	P	A	P	P	
8.	" Shaileja Toralkar	P	P	A	P	P	P	P	A	P	P	P	P	
9.	" Shrovani Kamdi	A	P	P	P	P	P	P	P	A	P	P	P	
10.	" Vibhuvati Padhye	P	P	P	P	A	P	P	P	P	P	P	A	
11.	" Vishakha Bajanghate	P	P	P	P	P	A	P	P	P	A	P	P	
12.	" Tisha Dadmal	P	P	P	P	P	P	A	P	P	P	P	P	
13.	" Nikita Shirke	A	P	P	P	P	P	A	P	P	P	P	P	
14.	" Payal Umale	P	A	P	P	P	P	P	A	P	P	P	P	
15.	" Monali Rajbale	P	P	P	A	P	P	P	P	P	A	P	P	
16.	" Rutuja Manapure	P	P	P	P	P	P	A	P	P	P	P	A	
17.	" Shubha Zure	A	P	P	A	P	P	P	P	P	P	P	P	
18.	" Tanushri Thakur	P	P	P	A	P	P	P	P	P	P	P	A	
19.	" Vedanti Chonchuwar	P	P	P	A	P	P	P	P	P	P	P	A	
20.	" Zuri Fatema	P	P	A	P	P	P	P	A	P	P	P	P	
21.	" Javeriya Fatema Elz	P	A	P	P	P	P	A	P	P	A	P	P	
22.	" Kalyani Tijare	P	A	A	P	P	P	P	A	P	P	P	P	
23.	" Ashlesha Vairagade	P	A	P	P	P	P	A	P	P	P	P	P	
24.	" Dimple Shrikhandlas	P	P	P	A	P	P	P	A	P	P	P	P	
25.	" Sakshi Belsare	P	P	P	A	P	P	P	P	A	P	P	P	
26.	" Shaharin Parveen	P	A	P	P	P	P	A	P	P	P	P	P	
27.	" Shriya Kandge	P	P	P	P	P	P	P	P	P	P	P	A	
28.	" Swati Chauhan	A	P	P	P	P	P	P	P	A	P	P	P	
29.	" Tannu Wadhore	P	P	P	P	P	A	P	P	P	P	P	P	
30.	" Trisha Vaidya	P	A	P	P	P	P	P	A	P	P	P	P	
31.	" Vedanti Gadekar	P	P	P	P	A	P	P	P	P	P	P	A	
32.	" Padmini Gausam	P	P	P	A	P	P	P	P	P	P	P	A	
33.	" Sejal Shinde	P	P	P	A	P	P	P	P	A	P	P	P	

Pranande



Off. Principal

Sevadal Mahila Mahavidyalaya

*Handwritten signature*



Sevalal ShikshanSanstha's  
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## Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

### Certificate of Completion

This certificate is awarded to

*Ms. Payal Umale*

she has successfully completed the Certificate Course in  
"*Preparation of Liquid Soap and Detergent Powder*",  
conducted by the Department of Chemistry.

Date :30/04/2024

*MP*  
Prof. (Mrs.) M. P. Patil  
Course Coordinator

*Chahande*  
Dr. (Mrs.) P. P. Chahande  
Course Coordinator

*Nirupama*  
Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur



*Nirupama*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.



Seval Education Society's

# Seval Mahila Mahavidyalaya

**NAAC RE-REACCREDITED WITH 'A' GRADE**

Sakkardara Square, Umrer Road, Nagpur - 440 024 (M.S.)

Phone No.: 0712-2705037, 2751344 Fax: 0712-2705037

E-mail: sevamahilamv@gmail.com; smm\_college@yahoo.co.in

Website: <https://sevalmahilamahavidyalaya.ac.in>

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## CERTIFICATE COURSE

### “BIODEGRADATION OF KITCHEN WASTE”

(Duration - Three Months)

---

#### *Course Co-ordinators*

**Dr. (Mrs.) P. P. Morey**

Department of Chemistry,  
Seval Mahila Mahavidyalaya,  
Nagpur

**2023 – 2024**



*Ms. Umble*

Off. Principal  
Seval Mahila Mahavidyalaya  
Nagpur.

## **Course Title : Biodegradation of Kitchen Waste**

### **Course Outline:**

- 01. Module I :** Selection of material (i.e Kitchen waste)
- 02. Module II:** Preparation of Compost by various Kitchen waste.
- 03. Module III:** Characterization of material by XRD, Photoluminescence studies of synthesized material
- 04. Module IV:** Analysis of compost prepared.

### **Syllabus:**

1. Composting
2. Types of composting
3. Important parameters of composting process
4. Effective ingredients required for composting
5. Benefits of composting
6. Kitchen waste
7. Ingredients required for making kitchen compost
8. Types of kitchen waste
9. Methods of kitchen waste composting
10. Analysis of kitchen waste compost

### **Teaching Methodology:**

1. Chalk and board method
2. Power point presentation
3. Practical method for preparing compost
4. Various methods for kitchen waste composting
5. Analysis of compost
6. Field visits

### **Guest Lectures:**

#### **Invited Speakers**

- 1. Mr. Umesh Chitriv**  
NMC composting Brand Ambassador



*ADWble*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

**Assessment of Students:**

Assessment of students was done through theoretical assignments/seminars.

**Duration:** Three months

**Total Hrs:** 60 Hrs.

- Theoretical/ Hands on training - 50 hrs.
- Composting place visit - 5 hrs.
- Assignment and Seminars - 5 hrs.

**Time :** 11.30 am. to 12.30 pm on Thursday, Friday and Saturday Practical's: 3:00pm to 4:30pm on Monday Tuesday

**Learning Outcomes:**

1. Allow students to learn about to create a sustainable and environmentally friendly way to manage organic waste and also to improve soil health.
2. This activity provides knowledge about how to transform organic waste material into a nutrient rich soil amendment.
3. One of the start-up opportunity
4. Gives platform to become a reasearch scholar understanding what is Research, Research papers, References, Paper publications, and further for Ph.d work in solid waste management chemistry.

**Course Co-ordinators:**

- 1 Dr. (Mrs.) A. S. Mahakalkar, Professor, Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.
- 2 Dr. (Mrs.) P. P. Morey, Ass~~tant~~ Professor, Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.



*Mawale*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

**Course Title : : Biodegradation of Kitchen Waste**

**Duration : Three Months**

**Eligibility : M.Sc. Chemistry, Students, Sevadal Mahila  
Mahavidyalaya, Nagpur**

**Brief Description of the Course and Objectives:**

1. To recycle organic waste by composting.
2. To improve soil quality composting is a rich sources of nutrients.
3. To reduce landfill waste composting reduces the amount of waste that ends up in landfills which helps to reduce greenhouse gas emissions and conserve landfill space.
4. To reduce environmental pollution – organic waste that ends up in landfills can generate methane gas, a potent greenhouse gas that contributes to climate change composting of organic waste reduces the amount of methane that is produced.
5. To reduce the need for Synthetic fertilizers- uses of compost reduces the need of synthetic fertilizers though compost is very rich in nutrients.
6. Promote biodiversity, conserve water, reduces soil erosion.

**Objectives:**

The course aimed at imparting skills on organic composting competitive advantage over others validation of knowledge, increased confidence, enhanced credibility, imparts skill in synthesis strategies. Innovative characterization techniques of compost and chemical systems enhancing and enriching the students learning experience in the college and to bring about a more holistic approach to learning as well as to cultivate and develop necessary skills for various careers.



*NAWOLK*  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.



NAAC RE-ACCREDITED WITH 'A' GRADE  
**Sevadal Mahila Mahavidyalaya**  
Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Date: - 04.12.2023

**NOTICE**

All the members of the Department of Chemistry are hereby informed that the meeting regarding the Certificate Course in Chemistry has been scheduled on 11<sup>th</sup> Dec. 2023 at 11.30am at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of A.P. Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To commence three Certificate Courses in Chemistry Department for UG and PG students.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.

**Copy to:**

Dr. A. P. Lambat, NAAC Coordinator



*NAAC*

**Off. Principal**  
Sevadal Mahila Mahavidyalaya

*Mrs. A.S. Mahakalkar*

Prof. A. S. Mahakalkar  
Head,  
Department of Chemistry  
Sevadal Mahila Mahavidyalaya,  
Nagpur



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**Sevadal Mahila Mahavidyalaya**  
Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Minutes of the Meeting dated on 11.12.2023

**Certificate Courses in Department of Chemistry**

The meeting regarding the Certificate Courses run by Department of Chemistry was held on 11<sup>th</sup> Dec. 2023 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To commence three Certificate Courses in Chemistry Department for UG and PG students.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.

**Following Members were present.**

- |                                   |                               |
|-----------------------------------|-------------------------------|
| 1) Prof. Pravin Charde, Principal | Chairman                      |
| 2) Dr. A. P. Lambat               | IQAC Coordinator              |
| 3) Prof. A. S. Mahakalkar         | Head, Department of Chemistry |
| 4) Prof. N. S. Dhoble             | Member                        |
| 5) Prof. M. P. Patil              | Member                        |
| 6) Dr. Mrs. P. P. Chahande        | Member                        |
| 7) Dr. Mrs. A. M. Duragkar        | Member                        |
| 8) Dr. Mrs. P. P. Morey           | Member                        |

Prof. A.S. Mahakalkar Head, Department of Chemistry acted as secretary in the meeting. Head of Department welcomed the Chairperson, Hon'ble Principal, other members and called the meeting in order with permission of chairperson, read out agenda of the meeting and subsequently discussed the matter.



*N. Dhoble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

1) **Item No. 1:** To commence three certificate courses in Chemistry Department.

**Resolution:** Unanimously it was decided to commence the Certificate Course in Department of Chemistry from the session 2023-24 with course name and coordinators as follows-

A) "Synthesis and Characterization of Inorganic Phosphors"

**Coordinator:** Prof Mrs. N. S. Dhoble **Member:** Dr. Mrs. A. M. Duragkar

B) "Preparation of Liquid Soap and Detergent Powder".

**Coordinator:** Prof. Mrs. M. P. Patil **Member:** Dr. P. P. Chahande

C) "Biodegradation of Kitchen Waste"

**Coordinator:** Prof.Dr. Mrs.A.S. Mahakalkar **Member** Dr. P. P. Morey

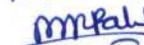
2) **Item No. 2:** To frame the syllabus of the course.

**Resolution:** Hon'ble Principal expressed his views regarding the framing of course syllabus.

Coordinators and members were asked to prepare syllabus of the respective Certificate Courses.

3) **Item No. 3:** Any other matter with the permission of Chair.

**Resolution:** As there was no other matter to discuss, the head of department of chemistry sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
Prof. Pravin Charde, Principal	
Dr. A. P. Lambat	
Prof. A. S. Mahakalkar	 Mrs. A. S. Mahakalkar
Prof. N. S. Dhoble	 N. S. Dhoble
Prof. M. P. Patil	 M. P. Patil
Dr. Mrs. P.P. Chahande	 P. Chahande
Dr. Mrs. A. M. Duragkar	 A. M. Duragkar
Dr. Mrs. P. P. Morey	 P. P. Morey



  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.



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Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Date- 15.12.2023

**NOTICE**

All the PG students of Department of Chemistry are hereby informed the college has started various certificate courses. One of them is certificate course in "Biodegradation of Kitchen Waste" run by Department of Chemistry.

Interested students should contact following teachers for admission on or before 30<sup>th</sup> Dec 2023.

- 1) Prof. Mrs. A. S. Mahakalkar
- 2) Dr. Mrs.P.P. Morey

*Ms. A. S. Mahakalkar*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



*Prof. Pravin Charde*

Prof. Pravin Charde

Principal

Sevadal Mahila Mahavidyalaya,



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Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

**Academic session 2023-24**  
**Student list (MSc Chemistry)**  
**Certificate course in Department of chemistry**  
**BIODEGRADATION OF KITCHEN WASTE**

Sr.No	Name of the student	Class
1.	Rina D. Bobade	MSc.Sem I
2.	Vanshika K. Pal	MSc.Sem I
3.	Sadaf S. Asif Ali	MSc.Sem I
4.	Sakshi N. Badge	MSc.Sem I
5.	Shweta P. Nimje	MSc.Sem I
6.	Gazal A. Hemne	MSc.Sem I
7.	Naina L. Ingle	MSc.Sem I
8.	Amruta N. Bawankule	MSc.Sem I
9.	Ashanka S. Nakade	MSc.Sem III
10.	Avantika V. Bokde	MSc.Sem III
11.	Dipali A. Umre	MSc.Sem III
12.	Harsha S. Kapse	MSc.Sem III
13.	Harshada S. Satpute	MSc.Sem III
14.	Minal R. Bokde	MSc.Sem III
15.	Prachi Y. Wasnik	MSc.Sem III
16.	Prerana E. Mahajan	MSc.Sem III
17.	Sakshi S. Nakhate	MSc.Sem III
18.	Saniya Yameen S. Tehseen	MSc.Sem III
19.	Ashanka S. Nakade	MSc.Sem III
20.	Avantika V. Bokde	MSc.Sem III
21.	Dipali A. Umre	MSc.Sem III
22.	Ankita Mamdade	MSc.Sem III

*N. Suble*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



*P. P. Mooney*  
Dr. P. P. Mooney



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Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Date- 01.04.2024

**NOTICE**

All the members of the Department of Chemistry are hereby informed that the meeting regarding the Certificate Course in Chemistry has been scheduled on 5<sup>th</sup> April 2024 at 11.30 am at the hon'ble Principal's Chamber.

Hon'ble Principal madam will chair the meeting in presence of A.P. Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the completion of certificate course syllabus and to decide examination schedule of the course.
- 3) Any other matter with the permission of the chair.

**Copy to:**

Dr. A. P. Lambat, NAAC Coordinator



*Adarsh*

**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

*Ms. A.S. Mahakalkar*  
Prof. A. S. Mahakalkar  
Head,  
Department of Chemistry  
Sevadal Mahila Mahavidyalaya,  
Nagpur



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**Sevadal Mahila Mahavidyalaya**

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Minutes of the Meeting dated on 05.04.2024

**Certificate Courses in Department of Chemistry**

The meeting regarding the Certificate Courses run by Department of Chemistry was held on 5<sup>th</sup> April 2024 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal madam presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the completion of certificate course syllabus and to decide examination schedule the course.
- 3) Any other matter with the permission of the chair.

**Following Members were present.**

- |                            |                               |
|----------------------------|-------------------------------|
| 1) Prof. N. S. Dhoble      | Member                        |
| 2) Dr. A. P. Lambat        | IQAC Coordinator              |
| 3) Prof. A. S. Mahakalkar  | Head, Department of Chemistry |
| 4) Prof. M. P. Patil       | Member                        |
| 5) Dr. Mrs. P. P. Chahande | Member                        |
| 6) Dr. Mrs. A. M. Duragkar | Member                        |
| 7) Dr. Mrs. P. P. Morey    | Member                        |

*Mrs. A. S. Mahakalkar*



*M. P. Patil*

**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

Prof. A.S. Mahakalkar , Head, Department of Chemistry acted as secretary in the meeting. Head of Department welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with permission of chairperson, read out agenda of the meeting and subsequently discussed the matter.

1) **Item No. 1:** To confirm the minutes of the last meeting.

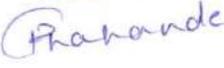
**Resolution** The minutes of the last meeting held on 11<sup>th</sup> Dec 2023 were read by the Head of Department of Chemistry and subsequently the minutes were unanimously approved.

2) **Item No. 2:** To review the completion of certificate course syllabus and to decide examination schedule of the course.

**Resolution:** Hon'ble Principal madam overviewed the course completion of respective certificate courses run by department of chemistry and also guided about the examination pattern and schedule of examination to be commenced in this month.

4) **Item No. 3:** Any other matter with the permission of Chair.

**Resolution:** As there was no other matter to discuss, the head of department of chemistry sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1. Prof. N. S.Dhoble	
2. Dr. A. P. Lambat	
3. Prof. A. S. Mahakalkar	 Mrs. A.S. Mahakalkar MPK
4. Prof. M. P. Patil	
5. Dr. Mrs. P. P. Chahande	
6. Dr. Mrs. A. M. Duragkar	
7. Dr. Mrs. P. P. Morey	

  
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Sevada Mahila Mahavidyalaya  
Nagpur.



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Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Date- 15.04.2024

**NOTICE**

All the students enrolled for Certificate Course "Biodegradation of Kitchen Waste" are hereby informed that the timetable of theory and practical examination is as follows-

Date	Time
20.04.2024	11.00am- 2.00 pm
29.04. 2024	11.00am -2.00pm

Take note of the same.



  
**Dr. Mrs. P. P. Morey**

Member,

Certificate Course

Sevadal Mahila Mahavidyalaya,

Nagpur

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Academic session 2023-24

Question Paper

Certificate course

**BIODEGRADATION OF KITCHEN WASTE**

Que 1. Answer the following 25

- What is composting?
- What are the types of composting? Explain in brief.
- Explain types of waste.
- What are the methods of composting?
- Explain phases of composting.

Que 2. Answer the following 25

- What are the benefits of composting?
- Which material is used in kitchen composting.
- What is waste decomposer?
- Explain some objectives of composting.
- Explain Bag method for kitchen waste composting.

Que 3. Answer the following 10

- What is anaerobic composting?
- Explain "Compost is a rich source of organic matter"
- Explain vermicomposting
- Explain Non-Biodegradable Waste.
- What is E-Waste?



*N. S. W. b. k.*

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Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Academic session 2023-24

Assignment Questions

Certificate course

**BIODEGRADATION OF KITCHEN WASTE**

Que 1. Answer the following

- What is composting?
- What is E-Waste?
- Explain "Compost is a rich source of organic matter"
- Explain some objectives of composting.
- Explain types of waste.



*NAwble*

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Nagpur.



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# Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440024

**Academic session 2023-24**  
**Student list (MSc Chemistry)**  
**Certificate course in Department of chemistry**  
**BIODEGRADATION OF KITCHEN WASTE**  
**RESULT**

Sr.No	Name of the student	Class	Marks Assignment 20	Marks Practical 20	Marks Theory 60	Total Marks 100	Grade
1.	Rina D. Bobade	MSc.Sem I	15	15	50	80	A
2.	Vanshika K. Pal	MSc.Sem I	15	15	55	85	A
3.	Sadaf S. Asif Ali	MSc.Sem I	15	15	55	85	A
4.	Sakshi N. Badge	MSc.Sem I	15	15	55	85	A
5.	Shweta P. Nimje	MSc.Sem I	15	15	50	80	A
6.	Gazal A. Hemne	MSc.Sem I	15	15	55	85	A
7.	Naina L. Ingle	MSc.Sem I	15	15	45	75	B
8.	Amruta N. Bawankule	MSc.Sem I	15	15	50	80	A
9.	Ashanka S. Nakade	MSc.Sem III	15	15	50	80	A
10.	Avantika V. Bokde	MSc.Sem III				75	
11.	Dipali A. Umre	MSc.Sem III	15	15	50	80	A
12.	Harsha S. Kapse	MSc.Sem III	15	15	55	85	A
13.	Harshada S. Satpute	MSc.Sem III	15	15	55	85	A
14.	Minal R. Bokde	MSc.Sem III	15	15	55	85	A
15.	Prachi Y. Wasnik	MSc.Sem III	15	15	50	80	A
16.	Prerana E. Mahajan	MSc.Sem III	15	15	50	80	A
17.	Sakshi S. Nakhate	MSc.Sem III	15	15	55	85	A
18.	Saniya Yameen S. Tehseen	MSc.Sem III	15	15	45	75	B
19.	Ankita Mandade	MSc.Sem III	15	10	45	70	B
20.	Adiba Khanam	MSc.Sem III	15	10	45	70	B



*Nawble*

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Sevalal Mahila Mahavidyalaya  
Nagpur.

Certificates were distributed to the students after successful completion of the certificate course.

Total No. of Students Enrolled = 20

No. of Students Absent = 00

Total No. of Students Appeared = 20



Dr. Mrs. P.P. Morey

( Member )

  
Prof. Mrs. A. S. Mahakalkar

(Course Coordinator)

**Course Co-ordinators:**

- 1 Dr. (Mrs.) A. S. Mahakalkar, HOD Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.
- 2 Dr. (Mrs.) P. P. Morey, Assistant Professor, Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.



*M. Dumble -*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



SEVADAL SHIKSHAN SANSTHA  
 MAAC REACCI  
**SEVADAL MAHILA MAI**  
**& RESEARCH ACADEMY**  
 Sakardara Square, Umter Rod

*certificate course*  
*"Theory"*

Attendance for the

Month of .....

Roll No.	NAME	04/10/24	05/10/24	06/10/24	11/10/24	12/10/24	13/10/24	18/10/24	19/10/24	20/10/24	27/10/24	30/10/24	02/10/24	03/10/24	08/10/24	09/10/24	10/10/24	15/10/24	29/10/24	07/10/24	08/10/24	09/10/24	10/10/24	11/10/24	12/10/24	13/10/24	14/10/24	15/10/24	16/10/24	17/10/24	18/10/24	19/10/24	20/10/24	21/10/24	22/10/24	Total No. of Lectures/ Practical attended				
1.	Ms. Pina D. Bobade	PP	PP																																					
2.	Ms. Varshika K. Pal	PP	PP	PP																																				
3.	Ms. Sadaf S. Asif Ali	PP	PP	PP	PP																																			
4.	Ms. Sakshi Badge	PP	PP	PP	PP																																			
5.	Ms. Shweta P. Nimje	PP	PP	PP	PP																																			
6.	Ms. Garal A. Hemne	PP	PP	PP	PP																																			
7.	Ms. Naina L. Jangle	PP	PP	PP	PP																																			
8.	Ms. Amruta N. Bawankar	PP	PP	PP	PP																																			
9.	Adiba Khanam	PP	PP	PP	PP																																			
10.	Ankita N. Mandade	PP	PP	PP	PP																																			
11.	Ashanka S. Narkade	PP	PP	PP	PP	PP																																		
12.	Avantika V. Borkde	PP	PP	PP	PP	PP																																		
13.	Dipali Omre	PP	PP	PP	PP																																			
14.	Harsha S. Kapse	PP	PP	PP	PP	PP																																		
15.	Hanshada S. Sappute	PP	PP	PP	PP	PP																																		
16.	Minak R. Borde	PP	PP	PP	PP	PP																																		
17.	Prachi Y. Uchanik	PP	PP	PP	PP	PP																																		
18.	Preerana E. Mahajan	PP	PP	PP	PP	PP																																		
19.	Sakshi S. Narkhade	PP	PP	PP	PP	PP																																		
20.	Saniya Jasmeenshetkar	PP	PP	PP	PP	PP																																		

Total Ticks

*Atul*



*Atul*

Off. Principal  
 Sevadai Mahila Mahavidyalaya  
 Nagpur.



SEVADAL SHIKSHAN SANSTHA  
 MAHARAJGI  
**SEVADAL MAHILA MAITI**  
**& RESEARCH ACADEMY**  
 Sakardara Square, Umreer Road

*Certificate*

*Course*

*"Practicals"*

Attendance for the

Month of .....

Roll No.	NAME	01/02/24	02/02/24	03/02/24	04/02/24	05/02/24	06/02/24	07/02/24	08/02/24	09/02/24	10/02/24	11/02/24	12/02/24	13/02/24	14/02/24	15/02/24	16/02/24	17/02/24	18/02/24	19/02/24	20/02/24	Total No. of Lectures/ Practical engaged
1.	Ms. Pinal D. Bohade	PP	15																			
2.	Ms. Vanshika K. Pal	PP	15																			
3.	Ms. Sadaf S. Asif Ali	PP	15																			
4.	Ms. Sakshi Badge	PP	15																			
5.	Ms. Shweta P. Nimje	PP	15																			
6.	Ms. Garzal A. Hemne	PP	15																			
7.	Ms. Naina L. Jangle	PP	15																			
8.	Ms. Amruta N. Bawankar	PP	15																			
9.	Adiba Khanam	PP	15																			
10.	Ankita N. Mandade	PP	15																			
11.	Ashanka S. Makade	PP	15																			
12.	Avantika V. Borde	PP	15																			
13.	Dipali Umre	PP	15																			
14.	Harsha S. Kapse	PP	15																			
15.	Hanshrada S. Satpute	PP	15																			
16.	Minjal R. Borde	PP	15																			
17.	Prachi Y. Wamanik	PP	15																			
18.	Preerana E. Mahajan	PP	15																			
19.	Sakshi S. Nakhate	PP	15																			
20.	Saniya Jasmeens Rehure	PP	15																			
<b>Total Practical</b>																						



**Naawbk**  
 Off. Principal  
 Sevidal Mahila Mahavidyalaya  
 Nagpur.



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Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

## *Certificate of Completion*

This certificate is awarded to

*Ms. Minal R. Bokde*

she has successfully completed the Certificate Course in  
*"Biodegradable Waste Management"*  
conducted by the Department of Chemistry.

Date : 30/04/2024

Dr. (Ms.) Pratiksha Morey  
Course Coordinator

Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur

*Noble*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.





Sevalal Education Society's

## **Sevalal Mahila Mahavidyalaya**

**NAAC RE-REACCREDITED WITH 'A' GRADE**

Sakkardara Square, Umrer Road, Nagpur - 440 024 (M.S.)

Phone No.: 0712-2705037, 2751344 Fax: 0712-2705037

**E-mail:** [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com); [smm\\_college@yahoo.co.in](mailto:smm_college@yahoo.co.in)

**Website:** <https://sevalalmahilamahavidyalaya.ac.in>

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## **CERTIFICATE COURSE**

# **"Aquarium Fabrication and Maintenance"**

**(Duration - Three Months)**

*Course Co-ordinator*

**Dr. (Mrs.) J. S. Dahegaonkar**

Asst. Prof. Department of Zoology,

Sevalal Mahila Mahavidyalaya,

Nagpur

**2023-2024**



*Mouble*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

**Course Title :** Aquarium Fabrication and Maintenance

**Duration :** Three Months

**Eligibility :** B.Sc Zoology, Second Year Students, Sevadal Mahila Mahavidyalaya Nagpur.

**Brief Description of the Course and Objectives:**

Undergraduate Department Of Zoology, Sevadal Mahila Mahavidyalaya, Nagpur extends 30 hrs. Certificate Course on “**Aquarium Fabrication and Maintenance**”. This comprehensive course is designed to provide students with an in-depth understanding of aquarium fabrication and maintenance. It covers a wide range of topics, from the initial setup of aquarium systems to the ongoing care and maintenance of aquatic environments. Participants will gain practical knowledge and hands-on experience in creating and sustaining healthy, vibrant aquatic ecosystems.

**Course Objectives:**

1. **Comprehend Aquarium Diversity :** Gain a deep understanding of various types of aquariums, including freshwater, saltwater, and reef systems, and recognize their unique characteristics and applications.
2. **Master Aquarium Setup :** Learn to select the ideal aquarium size and location, while also becoming proficient in choosing and installing essential equipment such as filtration systems, lighting, and temperature control mechanisms.
3. **Sustain Pristine Water Quality :** Develop the skills necessary to consistently monitor and maintain optimal water quality parameters, ensuring the health and well-being of aquatic inhabitants.
4. **Proficiently Manage Aquatic Life :** Acquire the ability to carefully choose and introduce fish, invertebrates, and plants into aquarium environments, with an emphasis on compatibility, species-specific needs, and disease prevention.
5. **Craft Aesthetic Aquarium Environments :** Explore the art of aquascaping and gain the capability to create visually captivating underwater landscapes through the arrangement of substrates, driftwood, rocks, and decorations.
6. **Execute Routine Care and Maintenance :** Demonstrate expertise in essential maintenance tasks, including regular water changes, cleaning, and effective algae control methods, as well as implementing a well-rounded feeding and nutrition regimen.
7. **Diagnose and Solve Issues :** Develop the skills to identify and address common aquarium problems, from water quality issues to diseases, behavioral anomalies, and emergency situations.
8. **Undertake Advanced Aquarium Projects :** Go beyond the basics by constructing custom aquariums and stands, designing and implementing DIY filtration and lighting systems, and crafting intricate aquascapes and themed displays.



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9. **Promote Ethical Aquaristics** : Embrace ethical and sustainable practices in the hobby by advocating responsible pet ownership, sourcing aquatic life and materials responsibly, and ensuring the ethical treatment and welfare of all aquarium inhabitants.
10. **Apply Practical Skills** : Showcase hands-on skills through practical exercises involving aquarium setup, maintenance, and troubleshooting, and demonstrate proficiency in individual or group projects.
11. **Communicate Effectively** : Develop the ability to communicate your knowledge and findings clearly and effectively, both in writing and through collaborative efforts with peers on projects and presentations.
12. **Nurture Lifelong Passion** : Cultivate a lifelong passion for the art and science of aquaristics, encouraging continuous learning, exploration, and appreciation for the fascinating world of aquariums.

These descriptive objectives outline the specific skills and knowledge that students will gain throughout the course, providing a comprehensive overview of the learning journey in aquarium fabrication and maintenance.

### **Course Title : Aquarium Fabrication and Maintenance**

#### **Course Outline:**

#### **Module 1: Fundamentals of Aquariums (Weeks 1-4)**

**Module Overview** : This module lays the foundation for aquarium fabrication and maintenance, introducing students to the different types of aquariums and the essential components of a successful aquatic environment.

#### **Week 1: Introduction to Aquariums**

- Types of aquariums and their applications.
- The role of aesthetics and functionality in aquarium design.
- Selecting the right aquarium size and location.

#### **Week 2: Aquarium Equipment**

- Understanding filtration systems: mechanical, biological, and chemical.
- Lighting options and their effects on aquatic life.
- Temperature control and heating solutions.

#### **Week 3: Water Chemistry**

- Key water quality parameters: pH, ammonia, nitrites, nitrates, and water hardness.
- Water testing techniques and interpretation.
- The nitrogen cycle and its importance in aquariums.



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#### **Week 4: Aquatic Life Selection**

- Choosing fish, invertebrates, and plants based on compatibility and habitat preferences.
- Disease prevention and treatment basics.
- Ethical considerations in stocking aquariums.

#### **Module 2: Creating (Weeks 5)**

**Module Overview:** Module 2 delves into the art of crafting visually appealing aquariums and covers the day-to-day care required to keep aquatic ecosystems thriving.

#### **Week 5: Aquarium Design and Decoration**

- Aquascaping techniques and principles.
- Substrate selection and arrangement.
- Incorporating driftwood, rocks, and artificial decorations.

#### **Module 3: Maintaining Aquariums (Weeks 6-8)**

**Module Overview:** The final module emphasizes ethical practices in aquaristics, sustainable sourcing of aquatic life and materials, and the development of advanced skills.

#### **Week 6: Maintenance and Routine Care**

- Performing water changes and cleaning procedures.
- Managing algae growth and prevention strategies.
- Developing a balanced feeding and nutrition regimen.

#### **Week 7: Troubleshooting Aquarium Issues**

- Identifying and addressing common problems, such as water quality issues and disease outbreaks.
- Dealing with fish stress and behavioral anomalies.
- Emergency preparedness and response.

#### **Week 8: Aquarium Projects**

- Building custom aquariums and stands to suit specific requirements.
- Designing and implementing DIY filtration and lighting systems for advanced setups.
- Creating advanced aquascapes and themed aquarium displays.

#### **Module 4 : Responsible Aquaristics and Beyond (Weeks 9-12)**

#### **Week 9: Ethical and Sustainable Practices**

- Responsible pet ownership and sustainable sourcing.
- Promoting ethical treatment and welfare of all aquarium inhabitants.



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### **Week 10: Practical Application of Skills**

- Demonstrating hands-on skills in aquarium setup, maintenance, and troubleshooting.
- Completing individual or group projects.

### **Week 11: Effective Communication**

- Communicating knowledge and findings clearly and effectively, both in writing and through collaborative efforts with peers.
- Presenting projects and findings to the class.

### **Week 12: Lifelong Passion for Aquaristics**

- Encouraging a lifelong passion for aquaristics, fostering continuous learning and exploration.
- Reflecting on the course journey and future endeavours in the world of aquariums.
- **Responsible Aquaristics and Beyond**

### **Syllabus:**

In this course, you will embark on an exciting journey into the world of aquariums, learning the art and science of designing, setting up, and maintaining stunning aquatic environments. This course is divided into three comprehensive modules.

**Module 1: Fundamentals of Aquariums** In the initial module, we will explore the diverse types of aquariums and the critical components that make them thrive. Topics include selecting the right equipment, understanding water chemistry, and ethical considerations in choosing aquatic life.

**Module 2: Creating** Module 2 delves into the practical aspects of crafting visually captivating aquariums and covers routine maintenance and troubleshooting.

**Module 3: Maintaining Aquariums** In this module, you will gain hands-on experience in aquascaping, maintenance procedures, and advanced aquarium projects.

**Module 4: Responsible Aquaristics and Beyond** The final module emphasizes ethical practices in aquaristics, sustainability, effective communication, and fostering a lifelong passion for aquariums. You'll learn how to promote responsible pet ownership and contribute to the welfare of aquatic life.

Throughout the course, you will engage in discussions, hands-on activities, and projects that will enhance your understanding and practical skills in aquarium fabrication and maintenance. Our goal is to equip you with the knowledge and confidence to create and care for vibrant aquatic ecosystems responsibly.

Please refer to the course schedule and policies for specific details about assignments, grading, attendance, and more. We look forward to guiding you through this exciting exploration of aquariums and helping you develop a deep appreciation for this fascinating hobby and science.



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## **Teaching Methodology :**

### **1. Lectures and Presentations:**

- Begin each module with informative lectures and presentations. Cover the theoretical aspects of aquariums, including types, equipment, water chemistry, and aquatic life selection. Use multimedia, diagrams, and visuals to enhance understanding.
- Encourage questions and discussions during lectures to promote interaction.

### **2. Hands-On Workshops:**

- Conduct regular hands-on workshops to complement theoretical knowledge. These workshops should cover skills such as aquascaping, equipment setup, water testing, and maintenance tasks.
- Provide students with opportunities to work with actual aquariums, equipment, and aquatic life.

### **3. Guest Speakers:**

- Invite guest speakers with expertise in aquarium fabrication and maintenance to share their experiences and insights with students.
- Guest speakers can provide real-world perspectives and inspire students in the field.

### **4. Group Projects:**

- Assign group projects that require students to design and set up aquariums based on specific criteria. These projects should encourage creativity, teamwork, and problem-solving.
- Each group can present their project to the class, explaining their choices and demonstrating their practical skills.

### **5. Assessments:**

- Assess students through a variety of methods, including quizzes, exams, practical skills assessments, and project evaluations.
- Create rubrics for grading practical work, emphasizing attention to detail and proper procedures.

### **6. Ethical and Sustainable Practices:**

- Emphasize the importance of ethical and sustainable practices throughout the course. Encourage critical thinking about the environmental and ethical aspects of the aquarium hobby.

### **7. Communication Skills:**

- Incorporate communication skills development by requiring students to write reports, give presentations, and engage in discussions about their findings and experiences.

### **8. Reflection and Self-Assessment:**

- Have students reflect on their progress and learning throughout the course. Encourage self-assessment and goal-setting for personal growth in aquaristics.



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## 9. Practical Exams:

- Conduct practical exams where students demonstrate their skills in setting up and maintaining aquariums. These exams should assess their ability to apply theoretical knowledge to real-world situations.

By combining lectures, hands-on experience, guest speakers, and various assessment methods, this teaching methodology aims to provide students with a comprehensive understanding of aquarium fabrication and maintenance while fostering practical skills, critical thinking, and ethical responsibility in the laboratory.

### Guest Lectures :

#### Invited Speakers

1. Dr. Milind Shinkhede

Associate Professor, D.R.B. Sindhu Mahavidyalaya, Nagpur.

2. Dr. Mrs. Kirti Paturkar

Assistant Professor, M.P.Deo Memorial Dharampeth Science College, Nagpur.

3. Mrs. Shruti Deshmukh

Lecturer, Kamla Nehru Mahavidyalaya, Nagpur.

**Duration:** Three Months

**Total Hrs:** 30 Hrs.

- Theoretical/ Hands on Training – 24 hrs.
- Assignment and Seminar – 6 hrs.

**Time :** 2:00 pm. to 3 pm. / Friday and Saturday

**Participants will be endowed with Certificates after completion of the course successfully.**

### Learning Outcomes :

By the end of this course, students will be able to:

1. Identify and describe different types of aquariums and their applications.
2. Select and set up appropriate aquarium equipment and understand its functions.
3. Maintain optimal water quality by monitoring key parameters and implementing corrective measures.
4. Create visually appealing aquariums through effective aquascaping and design principles.
5. Choose and introduce fish, invertebrates, and plants based on compatibility and habitat considerations.



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6. Perform routine maintenance and care, including water changes, cleaning, and feeding.
7. Diagnose and address common aquarium issues, such as water quality problems and diseases.
8. Promote ethical aquaristics by practicing responsible pet.

*J.S. Dahegaonkar*

**Course Co-ordinator:**

Dr. (Mrs.) J. S. Dahegaonkar,  
Assistant Professor, Department Of Zoology,  
Sevadal Mahila Mahavidyalaya, Nagpur.



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Date: 25.09.2023

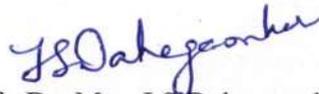
**NOTICE**

All the members of the Department of Zoology are hereby informed that the meeting regarding the Certificate Course in 'Aquarium Fabrication and Maintenance' has been scheduled on 29 Sept, 2023 at 11.30 am in Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A.P. Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To commence the Certificate Course in 'Aquarium Fabrication and Maintenance'.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.

  
Asst. Prof. Dr. Mrs. J.S. Dahegaonkar  
Course Coordinator  
Aquarium Fabrication and Maintenance

Copy to:

Asst. Prof. Dr. A.P. Lambat, NAAC Coordinator



  
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Minutes of the Meeting dated 29.09.2023

**Certificate Course in 'Aquarium fabrication and Maintenance'**

The meeting regarding the Certificate Course in '*Aquarium Fabrication and Maintenance*' was held on 29.09.2023 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To commence the Certificate Course in in '**Aquarium fabrication and Maintenance**'
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.

**Following Members were present.**

- |   |                    |
|---|--------------------|
| 1) Prof. Pravin Charde, Principal       | Chairman           |
| 2) Asso. Prof. Dr. A.P. Lambat          | IQAC Coordinator   |
| 3) Asst. Prof. Dr. Mrs. J.S Dahegaonkar | Course Coordinator |

Dr. Mrs. J.S Dahegaonkar, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 4) **Item No.1:** To commence the Certificate Course in 'Aquarium Fabrication and Maintenance'.

**Resolution:** Unanimously it was decided to commence the Certificate Course in 'Aquarium Fabrication and Maintenance', from the session 2023-24.

- 2) **Item No.2:** To frame the syllabus of the course.

**Resolution:** Hon'ble Principal expressed his views regarding the framing of course syllabus, Dr. Mrs. J.S Dahegaonkar was asked to prepare syllabus of the Certificate Course in 'Aquarium Fabrication and Maintenance'.



*J. S. Dahegaonkar*  
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3) **Item No. 3** Any other matter with the permission of Chair.

**Resolution:** As there was no other matter to discuss, the Coordinator ended the meeting by vote of thanks.

- | Name                           | Signature   |
|--------------------------------|---|
| 1) Hon'ble Prof. Pravin Charde |  |
| 2) Dr. A. P. Lambat            |  |
| 3) Dr. Mrs. J.S Dahegaonkar    |  |



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Date: 10.10.2023

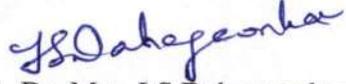
**NOTICE**

All the members of the Department of Zoology are hereby informed that the meeting regarding the Certificate Course in 'Aquarium Fabrication and Maintenance' has been scheduled on 12 Oct, 2023 at 11.30 am in Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A.P. Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To confirm the minutes of last meeting.
- 2) To review the progress of framing the syllabus of 'Aquarium Fabrication and Maintenance'.
- 3) Any other matter with the permission of the Chair.

  
Asst. Prof. Dr. Mrs. J.S Dahegaonkar

Course Coordinator

Aquarium Fabrication and Maintenance

Copy to:

Asst. Prof. Dr. A.P. Lambat, NAAC Coordinator



  
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Minutes of the Meeting dated 12.10.2023

**Certificate Course in 'Aquarium fabrication and Maintenance'**

The meeting regarding the Certificate Course in '*Aquarium Fabrication and Maintenance*' was held on 12<sup>th</sup> Oct. 2023 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of 'Aquarium Fabrication and Maintenance'
- 3) Any other matter with the permission of the Chair.

**Following Members were present.**

- |   |                    |
|---|--------------------|
| 1) Prof. Pravin Charde, Principal       | Chairman           |
| 2) Asso. Prof. Dr. A.P. Lambat          | IQAC Coordinator   |
| 3) Asst. Prof. Dr. Mrs. J.S Dahegaonkar | Course Coordinator |

Dr. Mrs. J.S Dahegaonkar, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 4) **Item No.1:** To confirm the minutes of the last meeting.

**Resolution:** The minutes of the last meeting held on 29.09.2023 were read by Course Coordinator and subsequently the minutes were unanimously approved.

- 2) **Item No.2:** To review the progress of framing the syllabus of To review the progress of framing the syllabus of 'Aquarium Fabrication and Maintenance'

**Resolution:** Course Coordinator tabled the newly framed the syllabus of certificate course in To review the progress of framing the syllabus of 'Aquarium Fabrication and Maintenance', in the meeting. After thorough discussion it was approved unanimously.



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3) **Item No. 3** Any other matter with the permission of Chair.

**Resolution:** Hon'ble Principal directed the Coordinator to start admissions for the students after Diwali vacation.

As there was no other matter to discuss, the meeting was concluded with vote of thanks by the Cordinator of the course.

**Name**

- 1) Hon'ble Prof. Pravin Charde
- 2) Dr. A. P. Lambat
- 3) DR. Mrs. J.S Dahegaonkar

**Signature**

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**CERTIFICATE COURSE**

**AQUARIUM FABRICATION & MAINTENANCE**

**List of Students registered for the Session: 2023-2024**

Sr. No.	Name of Candidate
1.	Ku. Gajiya Jakir Sheikh
2.	Ku. Sayali K. Rajurkar
3.	Ku. Vaishnavi A. Lutade
4.	Ku. Janhavi M. Khobragade
5.	Ku. Divya N. Deokar
6.	Ku. Harshada S. Adgulkar
7.	Ku. Saniya V. Admane
8.	Ku. Nikita G. Rakhade
9.	Ku. Yogita P. Choudhari
10.	Ku. Bhumika N. Daharamgodiya
11.	Ku. Tejashree J. Meshram
12.	Ku. Annapurna S. Junghare
13.	Ku. Akanksha V. Funde
14.	Ku. Anushka H. Khonde
15.	Ku. Devangi S. Thakre
16.	Ku. Prarthana P. Vywahare
17.	Ku. Triveni R. Gharpende
18.	Ku. Amraha I. Ansari
19.	Ku. Rakhi T. Dadmal
20.	Ku. Shafiya M.R. Sheikh
21.	Ku. Sheeba S. Khan
22.	Ku. Nudrat R. Pathan
23.	Ku. Sana A. Khan
24.	Ku. Vaishnavi S. Tambuskar
25.	Ku. Rubina N. Sheikh
26.	Ku. Krutadnya E. Kondalkar
27.	Ku. Smita S. Pande
28.	Ku. Aditi R. Gawande
29.	Ku. Maithili A. Lanjewar
30.	Ku. Mahelka Sheikh Sabir



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Date : 02.04.2024

**NOTICE**

All the students of Certificate Course in 'Aquarium Fabrication and Maintenance' are hereby informed that the Internal Written and Practical Examination will be held on dated 24.04.2024 at 11.00 am respectively in the U.G Zoology laboratory. Students are directed to remain present for the same.

*J.S. Dahegaonkar*

Asst. Prof. Dr. Mrs. J.S Dahegaonkar  
Course Coordinator

*N.S. Dhoble*

Prof. Dr. Mrs. N. S. Dhoble  
Off. Principal  
Sevadal Mahila Mv, Nagpur



*N.S. Dhoble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
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## CERTIFICATE COURSE

### AQUARIUM FABRICATION & MAINTENANCE

#### List of Students registered for the Session: 2023-2024

S.No.	Name of Candidates	Signature	(20) Practical	(20) Assignment	(60) Theory	(100) Total
1.	Ku. Gajiyajakir Sheikh	Gajiyajakir	18	18	58	94
2.	Ku. Sayali K. Rajurkar	Sayalikar	18	18	60	96
3.	Ku. Vaishnavi A. Lutade	Vaishnavi	17	17	60	94
4.	Ku. Janhavi M. Khobragade	Janhavi	17	17	58	92
5.	Ku. Divya N. Deokar	D.N. Deokar	17	17	60	94
6.	Ku. Harshada S. Adgulkar	H. Adgulkar	18	18	60	96
7.	Ku. Saniya V. Admane	S. Admane	19	19	58	96
8.	Ku. Nikita G. Rakhade	N. Rakhade	19	19	58	96
9.	Ku. Yogita P. Choudhari	Yogita	18	17	58	93
10.	Ku. Bhumika N. Daharamgodiya	Bhumika	18	18	58	94
11.	Ku. Tejashree J. Meshram	Tejashree	17	17	58	92
12.	Ku. Annapurna S. Junghare	Annapurne	17	17	58	92
13.	Ku. Akanksha V. Funde	Akanksha	18	17	60	95
14.	Ku. Anushka H. Khonde	A. Khonde	18	19	60	97
15.	Ku. Devangi S. Thakre	Devangi	18	19	60	97
16.	Ku. Prarthana P. Vyawahare	P. Vyawahare	19	19	60	98
17.	Ku. Triveni R. Gharpende	Triveni Gharpende	18	18	60	96
18.	Ku. Amraha I. Ansari	A. Ansari	20	19	58	97
19.	Ku. Rakhi T. Dadmal	Rakhi	19	18	58	95
20.	Ku. Shafiya M.R. Sheikh	Shafiya	20	19	58	97
21.	Ku. Sheeba S. Khan	Sheeba Khan	18	18	58	94
22.	Ku. Nudrat R. Pathan	Nudrat	19	19	60	98
23.	Ku. Sana A. Khan	Sana Pathan	19	19	58	96
24.	Ku. Vaishnavi S. Tambuskar	Vaishnavi	18	18	58	94
25.	Ku. Rubina N. Sheikh	Rubina	18	17	58	93
26.	Ku. Krutadnya E. Kondalkar	Krutadnya	19	20	58	97
27.	Ku. Smita S. Pande	Smita	20	19	60	99
28.	Ku. Aditi R. Gawande	A. Gawande	20	19	60	99
29.	Ku. Maithili A. Lanjewar	M. Lanjewar	20	19	58	97
30.	Ku. Mahelka Sheikh Sabir	M. Sabir	17	17	58	92

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J.S. Dabegamkar  
(Dr. Mr. J.S. Dabegamkar)  
Asstt. Professor  
Dept. of Zoology,  
SMM, Nagpur

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1. An air-pump is kept in an aquarium in order to –
  - a) provide more carbon dioxide to water plants.
  - b) allow more oxygen to dissolve in water.
  - c) enhance the beauty of the aquarium.
  - d) make water cleaner.
  
2. \_\_\_\_\_ is the term used for breeding of fish in specially constructed tanks and ponds.
  - a) Agriculture.
  - b) Viticulture.
  - c) Horticulture.
  - d) Pisciculture.
  
3. Rohu, Catla and Hilsa are varieties of \_\_\_\_\_.
  - a) Fish.
  - b) Poultry.
  - c) Parasites.
  - d) None of the above.
  
4. Aquarium can be made of materials like \_\_\_\_\_.
  - a) Glass.
  - b) Fiber.
  - c) Plastic.
  - d) None of the above.
  
5. Aquarium tank may be \_\_\_\_\_ in shape.
  - a) Square.
  - b) Rectangular.
  - c) Polygonal.
  - d) Triangular.
  
6. \_\_\_\_\_ is installed to operate biological filter for airlifting and aeration.
  - a) Aquatic plants.
  - b) Gravel.
  - c) Rocks.
  - d) Air pump.
  
7. Aquarium tanks are usually measured as \_\_\_\_\_.
  - a) Length x Breadth x Height.
  - b) Length x Depth x Height.
  - c) Breadth x Length x Height.
  - d) Depth x Length x Height.



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8. Aquaria are of two types-
- Fresh water aquaria & Marine water aquaria.
  - Marine water aquaria & Pond water aquaria.
  - Lake water aquaria & Marine water aquaria.
  - None of the above.
9. Aquarium should be filled with clear \_\_\_\_\_ water.
- Hard.
  - Soft.
  - Potable.
  - Well.
10. Heater is used in the aquarium to keep the \_\_\_\_\_ constant.
- Oxygen level.
  - Temperature.
  - Carbondioxide level.
  - pH.
11. \_\_\_\_\_ and \_\_\_\_\_ are the excretory products through fish metabolism.
- Ammonia & Nitrates.
  - Phosphates & Ammonia.
  - Nitrites & Sulphates.
  - None of the above.
12. Temperature of aquaria water should be \_\_\_\_\_.
- 76° to 80° F.
  - 45° to 60° F.
  - 50° to 65° F.
  - 65° to 75° F.
13. Fluctuation of the water temperature in aquarium can be checked by using a \_\_\_\_\_.
- Incubator.
  - Thermometer.
  - Heater.
  - pH meter.
14. Aerator is used in the aquarium for \_\_\_\_\_.
- Circulating & maintaining oxygen.
  - Maintaining ammonia.
  - Circulating & maintaining carbondioxide.
  - None of the above.



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15. pH of the aquarium water should be between \_\_\_\_\_.
- 7.6 to 8.4
  - 5.5 to 7.0
  - 7.0 to 9.0
  - 6.5 to 8.0
16. When the water level in the aquarium falls, it is due to \_\_\_\_\_.
- Photosynthesis.
  - Evaporation.
  - Transpiration.
  - Respiration.
17. \_\_\_\_\_ device is used to add or remove water from an aquarium.
- Siphon.
  - Hydrometer.
  - Heater.
  - Filter.
18. Nitrogenous wastes in an aquarium is tested by \_\_\_\_\_.
- Ammonia.
  - Temperature.
  - Salinity.
  - pH.
19. Conversion of ammonia to nitrite to nitrate to nitrogen gas is known as the \_\_\_\_\_ cycle.
- Oxygen.
  - Nitrogen.
  - Water.
  - Carbondioxide.
20. \_\_\_\_\_ made the first aquarium.
- Jeanne Villepreux - Power.
  - Watson and Crick.
  - Jacob and Monad.
  - Charles Darwin.
21. Aquarium's water should be changed every \_\_\_\_\_.
- one or two weeks.
  - two or three weeks.
  - one or two months.
  - within a week.
22. Sealing of the aquarium glass panes is done by \_\_\_\_\_.
- Silicon.
  - Fevicol.
  - Gum.
  - Wax.



*Nagpur*

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Sevadal Mahila Mahavidyalaya  
Nagpur.

23. \_\_\_\_\_ maintenance is a regular period planned maintenance which eliminates breakdowns and outages.
- Routine.
  - Preventive.
  - Corrective.
  - Operation.
24. Which of the following is NOT a type of maintenance of machines?
- Timely maintenance.
  - Preventive maintenance.
  - Scheduled maintenance.
  - None of the above.
25. National Fisheries Development Board is located in \_\_\_\_\_.
- Goa.
  - Hyderabad.
  - Mumbai.
  - Chennai.
26. "Blue Revolution" is related with the \_\_\_\_\_.
- Oil seed production.
  - Fish production.
  - Milk production.
  - Food grain production.
27. \_\_\_\_\_ oldest and largest aquarium in India.
- Taraporewala in Mumbai.
  - New Delhi.
  - Calcutta.
  - Bangalore.
28. \_\_\_\_\_ is the best cleaner for the inside of a fish tank.
- Hot water.
  - Cold water.
  - Lukewarm water.
  - None of the above.
29. \_\_\_\_\_ can be safely used to clean water.
- Vinegar.
  - Salt.
  - Bleaching powder.
  - Detergents.
30. \_\_\_\_\_ aquarium glass is best for aquarium.
- Tempered.
  - Toughened.
  - Laminated.
  - Coated.



*N. Subik*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

*J.S. Dalgaonkar*  
Course Coordinator  
(Dr. Mrs. J.S. Dalgaonkar)



Sevalal Shikshan Sanstha's  
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## Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

### Certificate of Completion

This certificate is awarded to

*Ms. Saniya Admane*

she has successfully completed the Certificate Course in  
*"Aquarium Fabrication & Maintenance"*,  
conducted by the Department of Zoology.

Date : 30/04/2024



Sevalal Mahila Mahavidyalaya  
Nagpur.

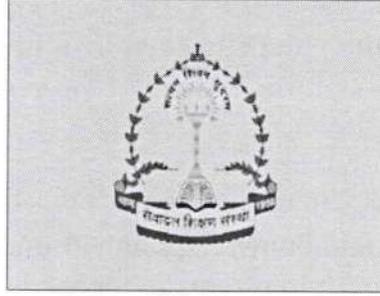
*Nirupama*

*Jyoti S. Dahegaonkar*

Dr. (Mrs.) Jyoti S. Dahegaonkar  
Course Coordinator

*Nirupama*

Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur



Seval Education Society's

# Seval Mahila Mahavidyalaya

NAAC RE-REACCREDITED WITH 'A' GRADE

Sakkardara Square, Umrer Road, Nagpur – 440 024 (M.S.)

Phone No. : 0712-2705037, 2751344. Fax: 0712-2705037

Email: sevamahilamv@gmail.com; smm\_college@yahoo.co.in

Website: <https://sevalmahilamahavidyalaya.ac.in>

## CERTIFICATE COURSE

Rearing of Guppies

(Duration – Three Months)

Course Coordinator

**Dr. (Mrs.) Jayashree B. Tirpude**

Department of Zoology  
Seval Mahila Mahavidyalaya

Nagpur

2023 - 2024



*Handwritten signature*

Off. Principal  
Seval Mahila Mahavidyalaya  
Nagpur.

## PROGRAMME OUTCOME

The whole purpose of the “ certificate course in rearing of guppies ” is to train the students for professional life. By end of the certificate course, they have learnt following things.

- Developed training on culture, breeding of guppies fishes.
- Developed skills and knowledge on various techniques of guppy breeding, rearing and its marketing to make themselves sustainable after completing certificate course.
- Developed how to produce a large number of varieties of guppies species to create a large supply of fishes and increases overall exports.
- Developed to promote employment and entrepreneurship in guppies by graduates in fisheries aquaculture and biological sciences.
- To developed basic knowledge on the spawning, larval rearing and feeding of guppies.

As the students are trained and developed as per the designed syllabus of rearing of guppies their confidence level has increased. The course in general helped them to pan degree with flying colours.

*N. Anubale*  
Off. Principal  
Sri Mata Mahila Mahavidyalaya  
Nagpur.



## **Certificate Course in Rearing Of Guppies**

Guppy was introduced in various countries for mosquito control and often loosely called Mosquito Fish. It has been found to establish itself in both fresh and polluted waters (Ahmed et al. 1985). It introduced in India as early as 1910 to control mosquito. This larvivorous fish are quite tolerant of a variety of water conditions thus can be used as Predators of mosquito larvae and they can be moved to water areas they are needed. Synthetic insecticides are widely used for mosquito control throughout world and some of these has long residual activities and affect the environmental adversely. Many mosquito species has developed resistance of a variety of insecticides. The high cost of control due to short duration of action of insecticides and toxicity of newer insecticides and other reasons have given rise to new thinking to find out other ways of mosquito control. Among the various vector control measures the biological control method in favour due to its cost effectiveness.

Larvivorous fish have been used in mosquito control on and off for many years in different parts of world. Guppies have the capacity to survive and multiply in both fresh and polluted waters to solve this problem. The Guppy is suitable for mosquito control due to its flattened head protruded mouth, small size and its various appetite for living on prey, especially insect larva. It is a viviparous fish and is capable of increasing in population in shallow or polluted water.

In this certificate course breeding of Guppies using various techniques / methods be carried out.

### **AIIMS AND OBJECTIVES**

To understand the current methodology and various techniques of Guppy fish production.

1. The course aimed at imparting knowledge on various techniques of Guppy



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Nagpur.

breeding, rearing and its marketing to make themselves sustainable after completing certificate course.

2. To generate export oriented employment in rural and urban household through fish production.

3. To impart hands on training on setting up of aquarium and its maintenance.

4. To impart hands on training on culture, breeding of commercially important Guppy fishes.

5. Develop how to produce a large number of varieties of guppies species to create a

large supply of fishes and increase overall exports.

6. To promote employment and entrepreneurship in Guppies by graduates in fisheries aquaculture and biological sciences.

7. To develop basic knowledge on the spawning, larval rearing and feeding of Guppies.



*M. S. Chavhan*

**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

*Principal*  
Sevadal Mahila Mahavidyalaya  
Nagpur

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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

Date-28-11-2023

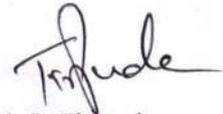
### NOTICE

All the members of the Department of Zoology are hereby informed that the meeting regarding the certificate course in 'rearing of guppies' has been scheduled on 4-12-2023 at 11.00 am at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A. P. Lambat, NAAC Coordinator.

#### Agenda of the meeting:

- 1) To commence the Certificate Course in 'Rearing of Guppies'.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.



**Dr. J. B. Tirpude**  
Course Coordinator  
Communicative English

Copy to: Dr. A. P. Lambat



**Off. Principal**  
Sevadai Mahila Mahavidyalaya  
Nagpur.

NAAC RE-ACCREDITED WITH 'A' GRADE

## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

### Minutes of the Meeting dated 4-12-2023

#### Certificate Course in 'Rearing of Guppies'

The meeting regarding the Certificate Course in 'Rearing of guppies' was held on 4-12-2023 at 11.00 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

Agenda of the meeting:

- 1) To commence the certificate course in 'Rearing of Guppies'.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.

Following Members were present.

- |                                  |                           |
|----------------------------------|---------------------------|
| 1) Prof. Pravin Charde           | Chairman                  |
| 2) <u>Asso. Dr. A.P. Lambat</u>  | <u>IQAC Coordinator</u>   |
| 3) <u>Asso. Dr. J.B. Tirpude</u> | <u>Course Coordinator</u> |

Dr. J.B. Tirpude Course Coordinator acted as secretary in the meeting. The coordinator welcomed the Chairperson, Hon'ble Principal and other member and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

1)Item No. 1 : To commence the certificate course in 'rearing of guppies'

Resolution : Unanimously it was decided to commence the certificate course in 'Rearing of Guppies' from the session 2023-2024

2)Item No. 2 : To frame the syllabus of the course.

Resolution : Hon'ble Principal expressed his views regarding the framing of course syllabus. Dr. J. B. Tirpude were asked to prepare syllabus of the certificate course in 'Rearing of Guppies'.

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Sevadal Mahila Mahavidyalaya  
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3) Item No. 3: Any other matter with the permission of chair.

Resolution : As there no other matter to discuss, the coordinator sum up the meeting by expressing thanks for everyone's gracious attendance.

Name

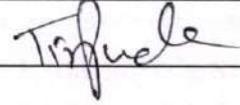
Signature

1) Hon'ble Prof. Pravin Charde



2) Dr. A.P. Lambat

3) Dr.J.B. Tirpude



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Sevadai Mahila Mahavidyalaya  
Nagpur.

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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

Date-10-12-2023

### NOTICE

All the members of the Department of Zoology are hereby informed that the meeting regarding the certificate course in 'rearing of guppies' has been scheduled on 18-12-2023 at 11.00 am at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A. P. Lambat, NAAC Coordinator.

#### Agenda of the meeting:

- 1) To commence the Certificate Course in 'Rearing of Guppies'.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.

#### Following Members were Present

- 1) Prof. N. S. Dhoble
- 2) Dr. J. B. Tirpude
- 3) Dr. A. V. Dorlikar
- 4) Dr. J. S. Dahegaonkar

*Tirpude*  
*Dorlikar*  
*J.S. Dahegaonkar*

Copy to: Dr.A.P.Lambat



*N.S. Dhoble*  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

*Tirpude*  
**Dr. J. B. Tirpude**  
Course Coordinator  
Rearing of guppies

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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

### Minutes of the Meeting dated 18-12-2023

#### Certificate Course in 'Rearing of Guppies'

The meeting regarding the Certificate Course in 'Rearing of guppies' was held on 18-12-2023 at 11.00 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of rearing of guppies.
- 3) Any other matter with the permission of the chair.

Following Members were present.

- 1) Prof. Pravin Charde Chairman
- 2) Asso. Dr. A.P. Lambat IQAC Coordinator
- 3) Asso. Dr. J.B. Tirpude Course Coordinator

Dr. J.B. Tirpude Course Coordinator acted as secretary in the meeting. The coordinator welcomed the Chairperson, Hon'ble Principal and other member and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No. 1 : To confirm the minutes of the last meeting.

Resolution : The minutes of the last meeting held on 18-12-2023 were read by the course coordinator and subsequently the minutes were unanimously approved.

- 2) Item No. 2 : To review the progress of framing the syllabus of Rearing of guppies.

Resolution : Course coordinator tabled the newly framed syllabus of certificate course in rearing of guppies in the meeting. After through discussion it was approved unanimously.



*N. S. Chak*  
Off. Principal  
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3) Item No. 3: Any other matter with the permission of chair.

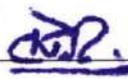
Resolution : Hon'ble Principal directed the coordinator to start admission for the students.

As there was no other matter to discuss, the meeting was concluded with vote of thanks by the coordinator of the course.

Name

Signature

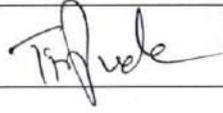
1) Hon'ble Prof. Pravin Charde

  
\_\_\_\_\_

2) Dr. A.P. Lambat

\_\_\_\_\_

3) 3) Dr.J.B. Tirpude

  
\_\_\_\_\_

  
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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

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### SYLLABUS

#### Certificate Course in 'Rearing of Guppies'

##### Objectives:

- Student enables to set aquarium
- Student enables to manage the home as well as commercial aquarium.
- Students will learn to handle different aquarium equipments.
- Students will learn breeding of guppy fishes.

**Course Features :** 1) Each lecture of 50 minutes  
2) Two lecture in a week  
3) Written Examination – 60 Marks  
4) Practical Examination 20 Mark  
5) Internal Assessment 20 Mark

**Unit I :** Introduction to aquarium.

- a. Types of aquarium
- b. Setting of aquarium and its maintenance / setting up a habitat
  - i. Declorinate water in tank.
  - ii. Use filtration system in tank.
  - iii. Light your tank.
  - iv. Add plants to decorate it.
  - v. Keep 2 or 3 female guppies for every one male guppy.
  - vi. Monitor for illness.

**Unit II :** Feeding of Guppy fishes.

24/07/21  
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Nagpur.



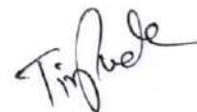
- a. Artificial food.
- b. Feeding methods.

**Unit III : Breeding of Guppy fishes.**

- 1. Identification of male and female guppies.
- 2. Preparation of separate breeding tank.
  - a. Notice the physical symptoms. Ex. Notice belly bulge, gravid spot.

**Unit IV : Fish management**

- 1. Diseases of fishes and their control.
- 2. Bacterial diseases.
- 3. Protozoen diseases.



**Dr. J. B. Tirpude**

Course Coordinator

Rearing of Guppies



**Off. Principal**  
**Sevada Mahila Mahavidyalaya**  
**Nagpur.**



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## SEVADAL MAHILA MAHAVIDYALAYA

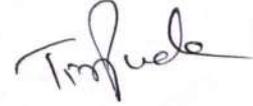
Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

Date : 20-12-2023

### NOTICE

All the students are hereby informed that the certificate course in 'Rearing of Guppies' run by Department Zoology is designed to develop basic knowledge on Types of aquarium, fabrication, setting and maintainace of aquarium, breeding of guppy fishes, larval rearing, feeding of guppies, diseases of guppy fishes and there control. Interested students should contact following teachers for admission before 30<sup>th</sup> Dec.2023.



**DR. J. B. Tirpude**  
Course co-ordinator  
Rearing of Guppies



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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

CERTIFICATE COURSE IN Rearing Of Guppies

ACADEMIC SESSION : 2023-2024

### Student List

SR. NO.	NAME OF THE STUDENT
1	Sakshi N. Belsare
2	Shriya S. khandge
3	Swati P. Chavhan
4	Tanu B. Wandhare
5	Kalyani S. Tijare
6	Ashiesha N. Vairagade
7	Purutha V. Shrikhandkar
8	Dimpal V. Shrikhandkar
9	Misbah S. Sheikh
10	Rashmi R. Gautam
11	Tisha G. Vaidya
12	Anushka V. Chaudhary
13	Arshiya S. Sheikh
14	Kaifiya S. Sheikh
15	Monali P. Aajbale
16	Jidynasa D. Pawar
17	Sakshi R. ashtikar
18	Amreen A. Ansari
19	Aiyasha E. Sheikh
20	Kashish R. Kamble
21	Vedanti R. Gadekar
22	Srushti G. Mnturkar
23	Samahat Naseem
24	Mayuri Surjuse
25	Chaitali Ladse
26	Tuba Ahmed

(Dr. J. B. Tirpude)

Course Co-ordinator

(prof. Pravin Charde)

Principal

Sevadal Malila Mahavidyalaya

Nagpur

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.





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## SEVADAL MAHILA MAHAVIDYALAYA

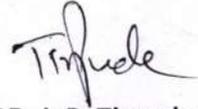
Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

Date : 25-03-2024

### NOTICE

All the students of Certificate Course in Rearing of Guppies are hereby informed that the Theory Examination and Practical Examination will be held on 03-04-2024 at 11.00 am and 17-04-2024 at 10.30 am respectively in the college conference hall (Room no. 210). Students are directed to remain present.



DR. J. B. Tirpude

Course Co-ordinator

Rearing of Guppies



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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

Academic Session 2023-2024

Total Marks 60

### Question Paper

#### CERTIFICATE COURSE IN REARING OF GUPPIES

**Q.1] Describe in brief diseases of aquarium fishes. 10 Mark**

**Q.2] Write short notes on: 10Mark**

- How to take care of guppy / fry.
- Maintenance of guppy's aquarium.

**Q.3] Answer in one word. 10\*2=20Mark**

- Can all guppies breed together?
- What is the best food for guppies breeding?
- What is the lifespan of guppies?
- What are guppy babies called?
- Gestation period of female guppies?
- What do baby guppies eat?
- What is the ratio of male and female guppies during breeding?
- Do baby guppies need sunlight?
- Another name of guppy fish?
- The Guppy fish species belongs to family?

**Q.4] Answer in one or two sentences. 10\*2=20Mark**

- How do you identify male and female guppies?
- At what age do guppies start breeding?
- How do you stop Guppies from breeding?



*N. S. Wadli*  
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Sevadale Mahila Mahavidyalaya  
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- 4) Name some of the plants which we put in guppy tank?
- 5) Name foods of guppies?
- 6) How you identify that female guppy is ready to give birth to new child?
- 7) Aquarium fishes are mainly grouped into how many categories?
- 8) What is the ratio of male and female guppies during breeding?
- 9) What factors contribute to the lifespan of guppies?
- 10) Name some common tails of guppy fish?

*Nawab*



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**Nagpur.**

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SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

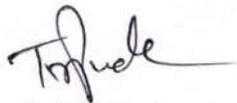
Sakkardara Chowk, Umread Road, Nagpur-440024

Certificate Course in Rearing of Guppies

Academic Session : 2023-2024

MARK SHEET

SR. NO.	NAME OF STUDENTS	MARK OBTAINED				IN WORDS	GRADE
		Theory Mark (60)	Practical Mark (20)	Assignment Mark (20)	Total Mark (100)		
1	Sakshi N. Belsare	52	18	19	89	Eighty Nine	A
2	Shriya S. khandge	48	17	18	83	Eighty Three	A
3	Swati P. Chavhan	54	17	17	88	Eighty Eight	A
4	Tanu B. Wandhare	55	18	19	92	Ninety Two	A
5	Kalyani S. Tijare	55	18	19	92	Ninety two	A
6	Ashiesha N. Vairagade	57	19	19	95	Ninety Five	A
7	Purutha V. Shrikhandkar	53	18	19	90	Ninety	A
8	Dimpal V. Shrikhandkar	57	19	18	94	Ninety Four	A
9	Misbah S. Sheikh	57	18	18	93	Ninety Three	A
10	Rashmi R. Gautam	55	18	18	91	Ninety One	A
11	Tisha G. Vaidya	29	17	18	64	Sixty Four	A
12	Anushka V. Chaudhary	54	18	16	88	Eighty Eight	A
13	Arshiya S. Sheikh	50	17	17	84	Eighty Four	A
14	Kaifiya S. Sheikh	52	18	18	88	Eighty Eight	A
15	Monali P. Aajbale	52	18	17	87	Eighty seven	A
16	Jidynasa D. Pawar	56	18	17	91	Ninety One	A
17	Sakshi R. ashtikar	38	17	18	73	Seventy Three	A
18	Amreen A. Ansari	45	18	18	81	Eighty One	A
19	Aiyasha E. Sheikh	45	17	19	81	Eighty one	A
20	Kashish R. Kamble	56	18	18	92	Ninety Two	A
21	Vedanti R. Gadekar	56	18	19	93	Ninety Three	A
22	Srushti G. Mnturkar	45	17	19	81	Eighty one	A
23	Samahat Naseem	47	17	19	83	Eighty Three	A
24	Mayuri Surjuse	AB	AB	AB	AB	AB	-
25	Chaitali Ladse	54	18	18	90	Ninety	A
26	Tuba Ahmed	AB	AB	AB	AB	AB	-



Dr. J. B. Tirpude

Course Co-ordinator

Rearing Of Guppies



  
Principal

Sevadal Mahila Mahavidyalaya



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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

Date : 21-4-2024

### NOTICE

All the members of the Department of Zoology are hereby informed that the meeting regarding the certificate course in 'Rearing of Guppie' has been scheduled on 24<sup>th</sup> April 2024 at 11.00 am at the Hon'ble Principal's Chamber.

Hon'ble Principal will chair the meeting in presence of Dr. A.P. Lambat, NAAC Coordinator.

#### Agenda of the meeting :

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of the course 'Rearing of Guppies'.
- 3) Any other matter with the permission of the Chair

#### Following Members were Present

- 5) Prof. N. S. Dhoble
- 6) Dr. J. B. Tirpude
- 7) Dr. A. V. Dorlikar
- 8) Dr. J. S. Dahegaonkar

*Tirpude*  
*Dorlikar*  
*J.S. Dahegaonkar*

*Tirpude*

**Dr. J. B. Tirpude**  
Course Co-ordinator  
Rearing Of Guppies

#### Copy to :

Dr. A. P. Lambat, NAAC coordinator



*Nalwote*  
**Off. Principal**  
Sevalal Mahila Mahavidyalaya  
Nagpur.

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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umread Road, Nagpur-440024

### Minutes of the Meeting dated 24-04-2024

#### Certificate Course in 'Rearing of Guppies'

The meeting regarding the Certificate Course in 'Rearing of guppies' was held on 24-04-2024 at 11.00 am in the Hon'ble Principal's Chamber. Hon'ble Principal Madam presided over the meeting.

Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of rearing of guppies.
- 3) Any other matter with the permission of the chair.

Following Members were present.

- |                                  |                           |
|----------------------------------|---------------------------|
| 1) Prof. N.S. Dhoble             | Chairman                  |
| <u>2) Asso. Dr. A.P. Lambat</u>  | <u>IQAC Coordinator</u>   |
| <u>3) Asso. Dr. J.B. Tirpude</u> | <u>Course Coordinator</u> |

Dr. J.B. Tirpude Course Coordinator acted as secretary in the meeting. The coordinator welcomed the Chairperson, Hon'ble Principal and other member and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the points according to the agenda of the meeting.

- 1) Item No. 1 : To confirm the minutes of the last meeting.

Resolution : The minutes of the last meeting held on 24-04-2024 were read by the course coordinator and after through discussion the minutes were unanimously approved.

- 2) Item No. 2 : To review the progress of framing the syllabus of Rearing of guppies.

Resolution : Course coordinator presented exam result of the certificate course in Rearing of Guppies. It was approved unanimously.



*N.S. Dhoble*

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Nagpur.

3) Item No. 3: Any other matter with the permission of chair.

Resolution : Hon'ble Principal distribute to certificates to the students on the accomplishment of certificate course .

Name

Signature

3) Hon'ble Prof. N.S. Dhoble

N.Dhoble

4) Dr. A.P. Lambat

[Signature]

5) Dr.J.B. Tirpude

Tirpude



N.Dhoble

**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.



Sevalal Shikshan Sanstha  
NAAC RE-ACCREDITED WITH 'A' GRADE

## Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Agency)  
Sakkardara Square, Umrer Road, Nagpur-440024

### Certificate of Completion

This certificate is awarded to

*Ms. Dimpal V. Shrikhandkar*

she has successfully completed the Certificate Course in

*"Breeding of Fishes (Guppy)"*.

conducted by the Department of Zoology.

Date : 30/04/2024

Dr. (Mrs.) J. B. Tirpude  
Course Coordinator

Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur

30/04/2024

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.





**Seval Education Society's**

## **Seval Mahila Mahavidyalaya**

**NACC RE-REACCREDITED WITH 'A' GRADE**  
Sakkardara Square, Umrer Road, Nagpur- 440024 (M.S.)  
Phone No: 0712-2705037, 2751344 Fax: 07712-2705037

**E-mail:** [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)  
**Website:** [www.sevalmahilavidyalaya.org](http://www.sevalmahilavidyalaya.org)

***Report***

***of***

***Certificate Course***

***in***

***'Biofertilizer and Biopesticide Production'***

**Course Coordinator: Dr. (Mrs.) K. V. Dubey**  
**Professor, Dept. of Microbiology**

**Academic Session: 2023-2024**



*Nawale*  
**Off. Principal**  
Seval Mahila Mahavidyalaya  
Nagpur.

**SEVADALMAHILAMAHAVIDYALAYA**  
**Place for Higher Learning & Research (Research Academy)**  
**Sakkardara Chowk, Umrer Road, Nagpur-440024**

Date-8/1/2024

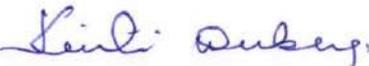
**NOTICE**

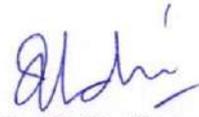
All the staff members of the Department of Microbiology are hereby informed that the meeting regarding the conduct of Certificate Course in the department will be held on 10/1/2024 at 12.30 pm in the chamber of Hon'ble Principal Sir. All the members are requested to remain present for the meeting.

Hon'ble Principal Sir will chair the meeting in presence of NAAC Coordinator Dr. A. P. Lambat, Associate professor, Dept of Home Science.

**Agenda of the meeting:**

- 1) To discuss various disciplines to be introduced in the certificate course.
- 2) To finalize the theme and designing of the syllabus of the certificate course
- 3) To discuss the conduct of Theory and Practical in the course.
- 4) To discuss about conducting exam.
- 5) Any other matter with the permission of the Chair.

  
**(Dr. Mrs. K. V. Dubey)**  
Professor &  
Course Coordinator  
Department of Microbiology

  
**(Dr. P. R. Bhandari)**  
Head  
Department of Microbiology  
Sevadal Mahila Mahavidyalaya,  
Nagpur

**Copy to:**

NAAC Coordinator: Dr. A. P. Lambat, Associate Professor,  
Dept of Home Science



  
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Sevadal Mahila Mahavidyalaya  
Nagpur.

**SEVADAL MAHILA MAHAVIDYALAYA**  
**Place for Higher Learning & Research (Research Academy)**  
**Sakkardara Chowk, Umrer Road, Nagpur-440024**

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**Minutes of the Meeting**

**'Biofertilizer and Biopesticide Production'**

The meeting regarding the Certificate Course '**Biofertilizer and Biopesticide Production**' to be conducted in the Microbiology Department was held on 10/1/2024 at 12.30 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

1. To discuss various disciplines to be introduced in the certificate courses.
2. To finalize the theme and designing of the syllabus of the certificate course
3. To discuss the conduct of Theory and Practical Examination in the course.
4. Any other matter with the permission of the Chair.

Following Members were present.

- |                              |                     |
|------------------------------|---------------------|
| 1) Prof. Pravin Charde,      | Principal- Chairman |
| 2) Dr. A. P. Lambat          | NAAC Coordinator    |
| 3) Dr. P. R. Bhandari        | HOD Microbiology    |
| 4) Dr. (Mrs.) Seema Nimbarte | Member              |
| 5) Dr. (Mrs.) K.V. Dubey     | Course Coordinator  |

Dr. (Mrs.) K.V. Dubey Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairman, Hon'ble Principal and other members with the due permission of Chairman. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

**Item No. 1: To discuss various disciplines to be introduced in the certificate course.**

Resolution: Different disciplines for conducting Certificate Course through which entrepreneurial qualities in students can be developed were discussed. All the members actively participated and suggested the various themes for the certificate course,



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**No.2: To finalize the theme and designing of the syllabus of the certificate course**

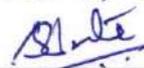
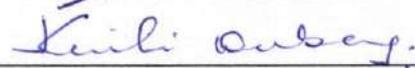
Resolution: Title of the Certificate Course was Unanimously decided to be as **Biofertilizer and Biopesticide Production**. It was also decided to implement the course from February 2/2/2024 in the academic session 2023-24. Course will consist of Theory and Practical of 20 hours duration respectively. For seminar, workshop, guest lecture 10 hours will be devoted. All the members in the meeting unanimously approved the agenda.

**ItemNo.3: To discuss the conduct of Theory and Practical Examination in the course**

Resolution: Unanimously it was decided to conduct the theory and Practical Examination courses after completion of the courses during mid April 2024. .

**ItemNo.4: Any other matter with the permission of Chair.**

Resolution: As there was no other matter for further discussion the meeting ended with vote of thanks.

Name	Signature
1. Hon'ble Prof. Pravin Charde	
2. Dr. A. P. Lambat	
3. Dr.P.R.Bhandari	
4. Mrs. S. R. Nimbarte	
5. Dr.(Mrs.) K.V.Dubey	 10/1/2024



  
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**SEVADALMAHILAMAHAVIDYALAYA**  
**Place for Higher Learning & Research (Research Academy)**  
**Sakkardara Chowk, Umrer Road, Nagpur-440024**

Date-3/4/2024

**NOTICE**

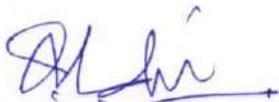
All the staff members of the Department of Microbiology are hereby informed that the meeting regarding the conduct of Certificate Course '**Biofertilizer and Biopesticide Production**' in the department will be held on 04/4/2024 at 12.30 pm in the chamber of Hon'ble Principal. All the members are requested to remain present for the meeting.

Hon'ble Principal Sir will chair the meeting in presence of NAAC Coordinator Dr. A. P. Lambat, Associate professor, Dept of Home Science.

**Agenda of the meeting:**

1. To discuss progress terms of syllabus completion ,and number of students opted for certificate courses.
2. To discuss the conduct of Theory and Practical Examination in the course.
3. Any other matter with the permission of the Chair.

  
**(Dr. Mrs. K. V. Dubey)**  
Professor &  
Course Coordinator  
Department of Microbiology

  
**(Dr. P. R. Bhandari)**  
Head  
Department of Microbiology  
Sevadal Mahila Mahavidyalaya,  
Nagpur

**Copy to:**

NAAC Coordinator: Dr. A. P. Lambat, Associate Professor,  
Dept of Home Science



  
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**Sakkardara Chowk, Umrer Road, Nagpur-440024**

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**Minutes of the Meeting**

**'Biofertilizer and Biopesticide Production'**

The meeting regarding the Certificate Course to be conducted in the Microbiology Department was held on 04/4/2024 at 12.30 pm in the Hon'ble Principal's Chamber. Hon'ble Principal presided over the meeting.

**Agenda of the meeting:**

1. To discuss progress terms of syllabus completion, and number of students opted for certificate courses.
2. To discuss the schedule of conducting of Theory and Practical Examination in the course.
3. Any other matter with the permission of the Chair.

Following Members were present.

Prof. N. S. Dhoble,	Principal- Chairman
Dr. A. P. Lambat	NAAC Coordinator
Dr. P. R. Bhandari	HOD Microbiology
Dr. (Mrs.) Seema Nimbarte	Member
Dr.(Mrs.) K.V. Dubey	Course Coordinator

Dr. (Mrs.) K.V. Dubey Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairman, Hon'ble Principal and other members with the due permission of Chairman. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.



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**Item No. 1: To discuss progress terms of syllabus completion, and number of students opted for certificate courses.**

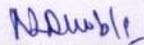
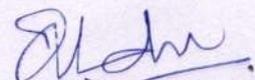
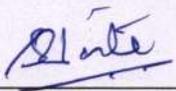
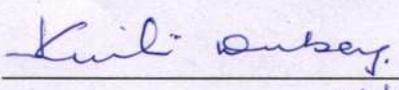
Resolution: Progress of teaching in the certificate course and the schedule to conduct the examination were discussed in the meeting. Further it was briefed that in all 23 students opted for the certificate course.

**ItemNo.2: To discuss the schedule of conducting Theory and Practical Examination in the course**

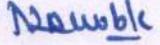
Resolution: Unanimously it was decided to conduct the theory and Practical Examination after completion of the courses during mid April 2024. .

**ItemNo.4: Any other matter with the permission of Chair.**

Resolution: As there was no other matter for further discussion the meeting ended with vote of thanks.

Name	Signature
Hon'ble Prof. N. S. Dhoble	
Dr. A. P. Lambat	
Dr. P. R. Bhandari	
Dr. Mrs. S. R. Nimbarte	
Dr. Mrs. K.V. Dubey	 04/4/2024



  
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## **Course Title: Bio fertilizer and Bio pesticide Production**

### **Course Outline (Theory):**

Biofertilizers - Introduction, and scope. Structure and characteristic features of bacterial biofertilizers- Azotobacter, Rhizobium and Cyanobacterial biofertilizers- Anabaena, Nostoc, fungal biofertilizers- AM mycorrhiza and ectomycorrhiza. Nitrogen fixation –Free living and symbiotic nitrogen fixation. Mechanism of phosphate solubilization and phosphate mobilization. Production technology: Strain selection, sterilization, growth and fermentation, mass production of carrier based and liquid biofertilizers. Application technology, Biofertilizers -Storage, shelf life, quality control and marketing.

Biopesticides- Definitions, concepts and classification of biopesticides viz. pathogen, botanical pesticides, and biorationals. Botanicals and their uses. Mass production technology of bio-pesticides. Virulence, pathogenicity and symptoms of entomopathogenic pathogens and nematodes. Methods of application of biopesticides. Methods of quality control and techniques of biopesticides. Impediments and limitation in production and use of biopesticide.

### **Course Outline Lab**

1. Isolation and purification of *Azotobacter*, Rhizobium, P-solubilizers and Cyanobacteria.
2. Mass multiplication and inoculum production of biofertilizers. Isolation of AM
3. Isolation and purification of important biopesticides: *Trichoderma*, *Pseudomonas*, *Bacillus*, *Metarhizium* etc. and its production.
5. Identification of important botanicals.
4. Visit to biofertilizer and biopesticide laboratory in nearby area.
5. Quality control of biofertilizers and biopesticides.

### **Syllabus: (Total 50 hrs including Teaching, Lab, and Field visits)**

#### **Theory Syllabus:**

#### **UNIT –I Biofertilizers:**

**(05 Hour)**

Introduction and scope of bio fertilizers in India. Classification, microorganisms used as bio fertilizers. Bacterial, fungal and algal bio fertilizers. Symbiotic and a symbiotic microorganisms. Mechanism of nodulation and nitrogen fixation.



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**UNIT – 2 Mycorrhizal biofertilizers: (05 Hour)**

Importance, types, characteristic features of ecto- and endomycorrhiza. Mechanism of phosphorus solubilisation. Uptake of phosphates by the roots. Consortium based inoculums and significance.

**UNIT-3 –Biopesticides: (05 Hour)**

Definition and scope of bio pesticides. Classification - botanicals, bacterial, fungal and viral based bio pesticides. Mechanism of action of *Bocillus thuringiensis* and *Trichoderma viridescens* bio control agents.

**UNIT -4 - Isolation and Mass Production Techniques: (05 Hour)**

Media, types, preparation of biofertilizers and biopesticides. Mass production and packing techniques. Preparation of carrier based inoculum. Sphagnum, peat, vermiculite as inoculums Carriers, Dosage standardization. Seed treatment, foliar application, root dressing and soil application techniques. Storage and maintenance of biofertilizer and biopesticide .

**Practical syllabus: (20 Hour)**

1. Preparation of Nutrient agar, YEMA, and PDA media
2. Isolation of Rhizobium from root nodules
3. Isolation of Azotobacter from soil samples
4. Isolation of Trichoderma
5. Gram staining of bacteria Rhizobium and Azotobacter
6. VAM root staining
7. Raising of legume seedlings with Rhizobium treatment
8. Biofertilizer and Biopesticide production in laboratory

**Teaching Methodologies**

➤ The course will be taught through both teaching of theory and Practical classes using chalk board, power point presentation mode as per the requirement of the syllabus.

➤ Lecture hours: 20 Hour

➤ Practical hours: 20 Hour

➤ Guest Lecture/ Seminar/ Workshop: 10 Hour



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- Field visit: 10 Hour
- Exam pattern: Offline: Theory -03 Hour and Practical Examination- 06 Hour
- Attendance: 75 % of attendance is compulsory

**Proposed Guest Lectures and Workshops:**

**(10 Hour)**

Guest lectures by eminent scientists and teachers working on biofertilizer and biopesticide production will be conducted and experts will be invited for hands on training of biofertilizer and biopesticide production to the students through workshops.

- Visit to commercial biofertilizer and bio control units.
- Submission of field work report in the prescribed format by the students.
- Suggested format for field work book; Title page, student details, content page, introduction, work done, findings, conclusion and acknowledgments.

**Assessment and Evaluation Methods:**

Internal Assignments through seminars /group discussion on bio fertilizers and biopesticides. (20 Marks)

Question Paper Pattern: Theory paper setting will be as per RTM Nagpur University pattern.

Max. Marks: 50 of three hours duration.

Practical Examination will be of Max. 30 marks, containing:

One long experiment - 10 marks

Two short experiments - 5 marks each

Practical Record -05

Viva-voce-05

**Learning outcomes:**

On successful completion of the practical course, student shall be able to

1. Understand the importance of bio fertilizers for sustainable agriculture
2. Appreciate the role of VAM in P solubilization
3. Prepare bacterial and fungal media
4. Isolate and identify symbiotic and free living nitrogen fixing bacteria



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5. Define bio pesticide and its nature
6. Isolate bacterial and fungal bio control agents from soil and air samples.
7. Produce bio fertilizers and bio pesticides on larges scale
8. Able to prepare inoculum for field application
9. Develop skill for large scale production of microorganisms
10. Learn field application techniques of biofertilizers and biopesticides

**References:**

1. Biofertilizers: Commercial Production Technology and Quality Control, 2017 by Dr. P. Hyma
2. Biofertilizers Technology, 2010, by S.Kaniyan, K.Kumar and K. Govindarajan
3. Biofertilizers for Sustainable Agriculture, 2017; by Arun K Sharma
4. Advances In Plant Biopesticides 2021, by Dwijendra Singh, Springer India
5. A Textbook of Integrated Pest Management, 2013 by Ram Singh & Vikas Jinda, I. G. S. Dhaliwal
6. Biofertilizers in Agriculture and Forestry by N. S. Subba Rao, Medtech Publishers and Distributors.



*N. Dwoble*

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**Sevadal Mahila Mahavidyalaya, Nagpur**  
**Department of Microbiology**

*Certificate Course*  
*in*  
*Biofertilizer and Biopesticide Production*

**Academic session 2023-24**

**List of Students Enrolled in the Certificate Course**

1.	Aakanksha Pra Gathibandhe
2.	Akanksha Subhash Gadekar
3.	Ashlesha Dinesh Tupkar
4.	Chandani Ramesh Raghute
5.	Ishika Basant Waghmare
6.	Kamini Ranglal Thakre
7.	Kanchan Amolrao Kamble
8.	Komal Haribhau Bonde
9.	Madhavi Pramod Dandekar
10.	Mahek Vipin Samudre
11.	Monika Chanduji Nandurkar
12.	Nandini Gnshyam Jagbandhu
13.	Ruchika Rajendra Dunedar
14.	Sakshi Subhash Bipte
15.	Sanjana Vinayak Iraskar
16.	Sarika Rajendra Gulhane
17.	Sheikh Alishba Sheikh Nadeem
18.	Shweta Chanduji Nandurkar
19.	Tinkal Sharad Khedikar
20.	Vaishnavi Virendra Sahu
21.	Vidya Rajendra Fating
22.	Yogini Laxman Ingale
23.	Yukta Prashant Gijre



*N. D. W. B. K.*  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

Academic Session 2023-24  
Certificate Course  
Biofertilizer & Biopesticide Production

SEVADAL SHIKSHAN SANSTHA'S  
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**SEVADAL MAHILA MAHAVIDYALAYA**  
& RESEARCH ACADEMY  
Sakhardara Square, Umrer Road, Nagpur-24

Attendance for the Month of .....

Sl. No.	NAME	2/2/24	3/2/24	9/2/24	10/2/24	15/2/24	17/2/24	23/2/24	24/2/24	18/2/24	27/2/24	7/3/24	14/3/24	21/3/24	28/3/24	29/3/24	4/4/24	11/4/24	18/4/24	25/4/24	2/5/24	9/5/24	16/5/24	23/5/24	30/5/24
1	Aakasha P. Gathis andhe	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	Akasha S. Gadakar	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	Aakasha D. Tuptkar	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	Chandani R. Raghute	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	Jehike B. Waghmare	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	Kanani R. Thakur	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	Kanchan A. Kamble	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	Komal H. Bouda	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	Madhavi P. Dhondkar	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	Mahak V. Samudre	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	Moushi C. Nandurkar	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	Nandini G. Jagtap	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	Ruchika R. Dhumal	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	Sakshi S. Bhoir	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	Sanjana V. Isastkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Savitak Gulkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Ashika Shaikh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Shweta C. Nandurkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Trupti S. Khedekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Vaishnavi V. Sahu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Vidya R. Fating	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Yogini L. Ingale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Yakta P. Gajire	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  
Sevadal Mahila Mahavidyalaya  
Nagpur

**Visual Depiction of Attendances of the student under certificate course 'Biofertilizer Biopesticide Production' during academic session 2023-2024**



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**Sevadal Mahila Mahavidyalaya, Nagpur**  
**Department of Microbiology**  
**Certificate Course**  
**in**  
**Biofertilizer and Biopesticide Production**  
**Academic session 2023-24**

**Final Theory Examination Summer 2024**

**Time: Three Hours**

**Maximum Marks: 50**

**N. B.:-** (1) All questions are compulsory and carry equal marks  
(2) Illustrate your answers with suitable diagram

- Q. 1.** Explain the mechanism of nodulation and nitrogen fixation in a legume plant (10)  
**OR**  
Describe bacterial, fungal and algal biofertilizers and write their applications (10)
- Q.2.** Describe characteristic features of ecto- and endomycorrhiza (10)  
**OR**  
Describe the mechanism of phosphorus solubilisation and its uptake by the roots of host plants. (10)
- Q. 3.** a) Write definition and scope of bio pesticides (05)  
b) Explain different types of bacterial biopesticides and its applications (05)  
**OR**  
c) Explain the types of viral biopesticides and its applications (05)  
d) Explain the role of *Trichoderma* in the control of insect pest (05)
- Q.4.** a) Describe mass production of Rhizobium (05)  
b) Describe various carrier materials used in biofertilizer production (05)  
**OR**  
c) Explain seed treatment and foliar application techniques used in biofertilizer application (05)  
d) Explain root dressing and soil application techniques of biofertilizer application (05)
- Q. 5.** **Write short notes on:**
- a) Scope of bio fertilizers in India (2½)  
b) Significance of Consortium based inoculums preparation in agriculture (2½)  
c) Mechanism of action of *Bocillus thuringiensis* as biocontrol agent (2½)  
d) Storage and maintenance of biofertilizer (2½)



*NAwbi!*  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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**Sevadal Mahila Mahavidyalaya, Nagpur**  
**Department of Microbiology**

***Certificate Course***  
***in***  
***Biofertilizer and Biopesticide Production***

**Academic session 2023-24**

**Performance of Students Enrolled in the Certificate Course**

Sr. No.	Name of the student	Theory Marks out of 50	Practical Marks out of 30	Internal Assessment Marks out of 20 (Seminar Exam)
1.	AAKANKSHA P. GATHIBANDHE	42	28	18
2.	AKANKSHA SUBHASH GADEKAR	40	25	18
3.	ASHLESHA DINESH TUPKAR	40	27	18
4.	CHANDANI RAMESH RAGHUTE	39	27	18
5.	ISHIKA BASANT WAGHMARE	40	26	18
6.	KAMINI RANGLAL THAKRE	44	28	20
7.	KANCHAN AMOLRAO KAMBLE	40	26	18
8.	KOMAL HARIBHAU BONDE	41	25	16
9.	MADHAVI PRAMOD DANDEKAR	38	26	18
10.	MAHEK VIPIN SAMUDRE	40	25	17
11.	MONIKA CHANDUJI NANDURKAR	38	25	17
12.	NANDINI GNSHYAM	40	25	17



*Nandini*  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

	JAGBANDHU			
13.	RUCHIKA RAJENDRA DUNEDAR	40	26	17
14.	SAKSHI SUBHASH BIPTE	39	25	17
15.	SANJANA VINAYAK IRASKAR	36	25	17
16.	SARIKA RAJENDRA GULHANE	36	25	17
17.	SHEIKH ALISHBA SHEIKH NADEEM	43	28	19
18.	SHWETA CHANDUJI NANDURKAR	40	28	19
19.	TINKAL SHARAD KHEDIKAR	42	28	19
20.	VAISHNAVI VIRENDRA SAHU	40	28	19
21.	VIDYA RAJENDRA FATING	36	25	17
22.	YOGINI LAXMAN INGALE	42	28	19
23.	YUKTA PRASHANT GIJRE	36	25	17

**Result analysis:** Pass percentage of the students successfully completed the certificate course was 100% . To all the successful students certificates were provided.



*Nawabli*  
**Off. Principal**  
 Sevalal Mahila Mahavidyalaya  
 Nagpur.



**Photograph showing Sample Copy of the Certificate Issued to the Successful Student of the Certificate Course.**



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**Off. Principal**  
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Nagpur.



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# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440 024

E-mail: [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)

Website: [www.sevadalmahilamahavidyalaya.ac.in](http://www.sevadalmahilamahavidyalaya.ac.in)

## Certificate Course *in* Warli Painting

Academic Session: 2023-2024

*Department of Textile and Clothing*



*N. Pawar*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

## **Report of Certificate Course in Warli Painting**

Warli painting is tribal Art mostly done by Adivasi. The Warli or an indigenous tribe living in mountain as well as coastal areas of Maharashtra and Gujarat. Their extremely primary wall painting use a very basic graphic vocabulary Circle, Triangle, and square. Warli art is the vivid expression of daily and social events and is embellished on the walls of village houses.

The painting depict the daily routine of the warli with some of the fertility gods. The characters in the warli painting are usually dancing with hands in hands in a circular manner. The central motif in these ritual paintings is surrounded by scenes portraying hunting, fishing and framing festivals and dances trees and animals. The themes are highly repetitive and symbolic.

Department of Textile and Clothing conducted a Certificate course in **Warli Painting** in academic session 2023-2024. Total 20 (Twenty) students were admitted to the course. Accordingly, course was conducted from 1<sup>st</sup> January 2024 to 31<sup>th</sup> March 2024. The Theory and Practical classes have been taken for the students.

Examination was conducted on 20<sup>th</sup> April, 2024. Subsequently, the certificates were distributed among the enrolled students.

### **AIMS AND OBJECTIVES:**

- To introduce students to the traditional art form of Warli painting.
- To develop the entrepreneurial skills to the students.
- To make the students confident by hands on opportunities to enhance learning.
- To Exploring the Techniques and distinctive styles that define Warli painting.



*N. Duble*

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Nagpur.

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**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date - 01-12-2023

**NOTICE**

All the members of the Department of Textile and Clothing are hereby informed that the meeting regarding the Certificate course in Warli Painting has been scheduled on 04-12-2023 at 11.00 a.m at the Hon'ble Principal's Chamber. All the members are request to remain presents for the meeting.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A. P. Lambat  
NAAC Co-ordinator.

**Agenda of the meeting:**

- 1) To commence the Certificate Course Warli Painting.
- 2) To Frame the syllabus of the course
- 3) Any other matter with the permission of the Chair.

*Dr. Mrs. Neeta A. Tiwade*

Dr. Mrs. Neeta A. Tiwade  
Course Co-ordinator

**Copy to:**

Dr. A.P.Lambat, NAAC Coordinator



*Dr. A.P. Lambat*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

### Minutes of the Meeting

#### Certificate course in Warli Painting

The meeting regarding the Certificate course in Warli Painting, was held on 04-12-2023 at 11.00 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

#### Agenda of the meeting:

- 1) To commence the Certificate Course in Warli Painting.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.

#### Following Members were present.

- |                               |                    |
|-------------------------------|--------------------|
| 1) Prof. Pravin Charde,       | Principal Chairman |
| 2) Dr. Ashish Lambat          | IQAC Coordinator   |
| 3) Dr. Mrs. Neeta A.Tiwade    | Course Coordinator |
| 4) Dr. Mrs. Hemlata A. Padole | Member             |

Dr. Mrs. Neeta A.Tiwade, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No.1 : To commence the Certificate course in Warli Painting .

Resolution : It was decided to commence the Certificate course in Warli Painting from the Session 2023-2024.



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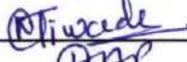
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

2) Item No.2 : To Frame the syllabus of the course.

Resolution : Hon'ble Principal expressed his views regarding the framing of course syllabus Dr.Mrs.N.A.Tiwade and Dr.Mrs.H.A.Padole were asked to prepare syllabus of the certificate course in warli painting.

3) Item No.3 : Any other matter with the permission of Chair.

Resolution: As there was no other matter for further discussion, the Coordinator sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1 Hon'ble Prof. Pravin Charde	
2 Dr. Ashish Lambat	
3 Dr. Mrs. Neeta A.Tiwade	
4 Dr. Mrs. Hemlata A. Padole	



*Neeta A. Tiwade*

Off. Principal  
Sevadai Mahila Mahavidyalaya  
Nagpur.

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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

Date – 14-12-2023

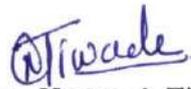
### NOTICE

All the members of the Department of Textile and Clothing are hereby informed that the meeting regarding the Certificate course in Warli Painting has been conducted on 18-12-2023 at 11.00 am at the Hon'ble Principal's Chamber. All the members are request to remain presents for the meeting.

Hon'ble Principal Sir will chair the meeting in presence Dr. A. P. Lambat NAAC Coordinator.

#### Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of Warli Painting
- 3) To arrange the Educational Visit/Workshop.
- 4) Any other matter with the permission of the Chair.

  
Dr. Mrs. Neeta A. Tiwade  
Course Co-ordinator

Copy to:  
Dr. A.P.Lambat, NAAC Co-ordinator



  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

### Minutes of the Meeting

#### Certificate course in Warli Painting

The meeting regarding the Certificate course in Warli Painting, was held on 18-12-2023 at 11.00 Am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

#### Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of Warli Painting
- 3) Any other matter with the permission of the Chair.

#### Following Members were present.

- |                               |                    |
|-------------------------------|--------------------|
| 1) Prof. Pravin Charde,       | Principal Chairman |
| 2) Dr. Ashish Lambat          | IQAC Coordinator   |
| 3) Dr. Mrs. Neeta A.Tiwade    | Course Coordinator |
| 4) Dr. Mrs. Hemlata A. Padole | Member             |

Dr.Mrs.Neeta A.Tiwade, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No.1: To confirm the minutes of the last meeting.

Resolution: The minutes of the last meeting held on 04-12-2023 were read by the course coordinator and subsequently the minutes were unanimously approved.

  
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2) Item No.2: To review the progress of framing the syllabus of Warli Painting.

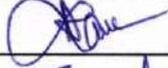
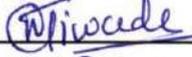
Resolution: Course coordinator tabled the newly framed syllabus of Certificate course in warli painting in the meeting. After Thorough discussion it was approved unanimously.

3) Item No.3: To arrange the Educational Visit/Workshop.

Resolution: The Chairperson has advised to organized Workshop as per the specification of the curriculum. The Resolution was passed unanimously.

4) Item No.4: Any other matter with the permission of Chair.

Resolution: Hon'ble Principal directed the coordinator to start admission for the students. As there was no other matter discuss, the meeting was concluded vote of thanks by the coordinator of the course.

Name	Signature
1) Hon'ble Prof. Pravin Charde	
2) Dr. Ashish Lambat	
3) Dr. Mrs. Neeta A. Tiwade	
4) Dr. Mrs. Hemlata A. Padole	

x 

Off. Principal  
Sevadei Mahila Mahavidyalaya  
Nagpur.



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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

**Department of Textile and Clothing**  
(Faculty of Home Science)

**CERTIFICATE COURSE IN WARLI PAINTING**

Course Duration	: Three Months (January to March)
Eligibility criterion for Admission	: 12 <sup>th</sup> Passed in any stream. (Girls students only)
Medium of Instruction	: English/Marathi/Hindi
Total no. of paper	: Theory Paper -1 (Two lectures in a week)
Evaluation Scheme	: Total Marks - 100 :Theory Paper -60 : Practical - 20 : Internal Assessment Marks: 20
Minimum Passing	: Theory - 30 : Practical- 1

**SYLLABUS**  
**CERTIFICATE COURSE IN WARLI PAINTING**

**OBJECTIVES:**

- To study History of Warli Art and its evolution.
- To study the different tradition in warli art.
- To study the different characteristics by warli community.
- To study on the warli art different techniques learning.

**COURSE CONTENT**

**Unit-I**

- 1 Introduction of Warli Painting. History of Warli Painting
- 2 Warli Painting and their Characteristics.

*Principals*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



## Unit-II

- 1 Making of warli painting-Tools and raw materials, Painting techniques used.
- 2 Shapes in warli painting. Themes in warli painting Process of warli painting.

## Unit-III

- 1 Traditional Warli Motif.
- 2 Traditional method of warli painting.

## Unit-IV

- 1 About Styles of Warli Painting
- 2 Methods of Original Warli  
Painting Geru Work on  
Board/Canvas  
How to Make White Colour with Rice Powder

### PRACTICAL

- Drawing Exercises-How to Draw Warli Figure, Human Figure, Animals & Birds.
- Warli Figure(Composition)
- Warli Pattern & Borders Apply Patterns on warli figure
- Warli-Nature Drawing -Tree, Sun, Moon.
- Types of Warli Huts

### Internal Assessment

- 1) Making a Album of Warli painting based on Practical work.
- 2) Making One Big sample of warli painting (Paper or Fabric)

*Neeta Tiwade*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



*Neeta Tiwade*

Dr.(Mrs.) Neeta Tiwade  
Course co-ordinator

# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440 024

Date: 01-12-2023

## NOTICE

All the students of B.Sc. Home Science are hereby informed that the Certificate course in '**Warli Painting**' run by Department of Textile and Clothing. The duration of these are as follows:

Certificate course - Three Month

Certificate Course will be commences from 1<sup>st</sup> January 2024. Interested students enroll their names to the following lecturers on or before 30<sup>th</sup> December 2023.

- 1) Dr. Mrs. N. A. Tiwade ,HOD, Dept.of Textile and Clothing
- 2) Dr. Mrs. H. A. Padole



Prof. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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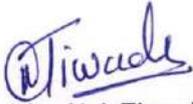
# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440 024

**DEPARTMENT OF TEXTILE AND CLOTHING**  
**CERTIFICATE COURSE IN WARLI PAINTING**  
Academic Session : 2023-2024

**Student List**

Sr.No.	Name of the Student
1	Ku. Aachal Marotrao Kodwate
2	Ku. Anamika Laxam Kosre
3	Ku. Anjali Prakash Jadhav
4	Ku. Karishma Chandrakumar Patle
5	Ku. Lina Damodhar Bawane
6	Ku. Madhuri Rajkumar Satule
7	Ku. Mahevish Israil Sheikh
8	Ku. Manshi Dinesh Pedulwar
9	Ku. Neha Sanjay Katkade
10	Ku. Nikki Ashokkumar Shahu
11	Ku. Nandini Gopal Jangade
12	Ku. Prachi Ramchandra Bante
13	Ku. Pratiksha Vikas Pantawane
14	Ku. Reshma Salim Sheikh
15	Ku. Sakshi Chandrakant Dhawangale
16	Ku. Sana Firdous Wasim Farooque
17	Ku. Shaistunnisa Shahabuddin Khan
18	Ku. Sonal Sanjay Birole
19	Ku. Tanu Suresh Kumbhakar
20	Ku. Tulsi Shrikant Paturkar



Dr. Mrs. N.A. Tiwade  
Course Co-ordinator





(Prof. Pravin Charde)  
Principal

Sevadal Mahila Mahavidyalaya, Nagpur



Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

## **Report of Warli Painting Workshop**

The Workshop on Warli Painting was organized by the Department of Textile and Clothing on 27 and 28 March 2024 for the students to encourage them towards entrepreneurship. Total 20 students participated enthusiastically in the workshop. Warli Painting on Fabric and Drawing sheet. The students were required to bring with them cloth pieces and Drawing Sheet.

On the First Day of the workshop, the resource person Mrs. Aboli Mahajan Assistant Professor Sevadal Mahila Mahavidyalaya, Nagpur provided basic information about the Warli Painting such as the basic symbols, themes and the patterns used in Warli painting by sketching them on the black board. She explained the significance of the different patterns used in Warli Painting. She also educated the students how they could become entrepreneur with the help of their painting skill and a very small investment. She also explained to the students the opportunities available for them to sale their products on the different online platforms. The students were made to draw and paint the patterns on the fabric surface and drawing sheet.

On the Second Day of the Workshop, the students were taught to draw and paint the patterns on the fabric and drawing sheet they have brought with them. It was a new experience for all the students. All were very happy after learning and expected to continue it in future.

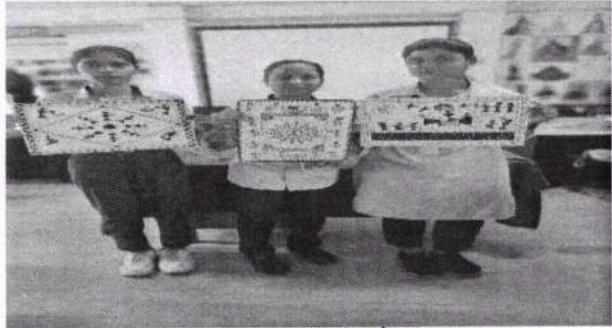
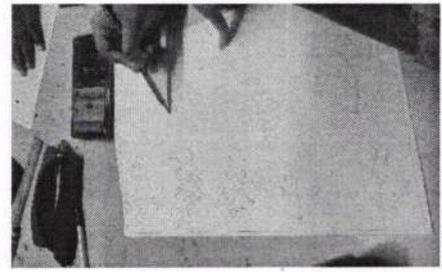
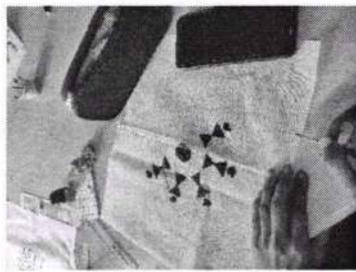
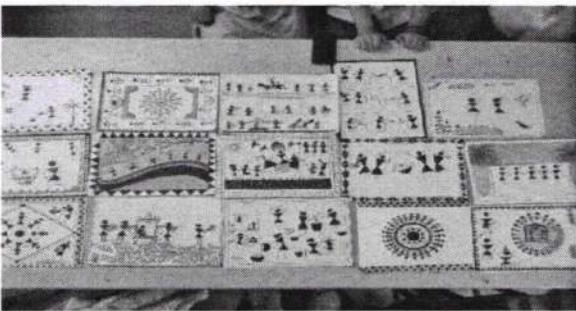
### **Outcomes:**

- Students learn new skills.
- Workshops provided a chance to interact with experts from specific fields.
- Students got innovative ideas.
- Hands on training motivated students.

*Aboli Mahajan*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



PHOTO GRAPHIS OF WARLI PAINTING



*Tiwade*  
 Course co-ordinator  
 Dr.Mrs.Neeta Tiwade



*Neetib*  
 Office of the  
 Mahila Mahavidyalaya  
 Nagpur.





Certific  
SEVADAL SHIKSHAN SANSTHA  
NAAC RE-ACCREDITED  
**SEVADAL MAHILA MAH  
& RESEARCH ACADEMY**  
Sakkardara Square, Umrer Road

Month of Jan/Feb/Mar.  
2023-2024

Practical

Attendance for the

Total Lectures/  
Practical engaged

Total No. of Lectures/  
Practical attended

Roll No.	NAME	12/10/23	13/10/23	19/10/23	20/10/23	27/10/23	31/10/23	01/11/23	10/11/23	16/11/23	17/11/23	23/11/23	24/11/23	13/12/23	21/12/23	29/12/23	15/1/24	16/1/24	22/1/24	23/1/24	30/1/24	Total Lectures/ Practical engaged	Total No. of Lectures/ Practical attended
1	Ku. Aachal M. Kodwate	P	A	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	20	Practical
2	Ku. Anomika L. Kasbe	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
3	Ku. Anjali R. Jadhav	A	A	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
4	Ku. Mansi D. Pedulwar	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
5	Ku. Reshm s. Sheikh	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
6	Ku. Lina Damodhar Bawane	A	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
7	Ku. Nandini G. Jangale	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
8	Ku. Nikki A. Shahu	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
9	Ku. Neha s. Katkade	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
10	Ku. Pratiksha V. Bntawane	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
11	Ku. Poochi R. Bante	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
12	Ku. Sonal s. Bizole	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	20	Practical
13	Ku. sana f. W. Fazoogue	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
14	Ku. Sakshi C. Dhawangale	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
15	Ku. Tany s. Kumbhalkar	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
16	Ku. Tulsi s. Patilkar	P	A	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
17	Ku. Mahesh Israil sheikh	P	A	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
18	Ku. Madhuri R. Satule	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
19	Ku. Shaistunnisa s. Khan	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical
20	Ku. Kashisma .c. patle	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	20	Practical

Masoble

Off. Principal  
Sevidal Mahila Mahavidyalaya  
Nagpur.



*(Signature)*

*(Signature)*

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# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

## NOTICE

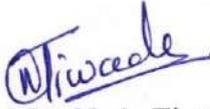
All the students of B.Sc. Home Science certificate course in '**Warli Painting**' are hereby informed that Final Time Table of Theory & Practical Examination of Certificate Course 2024 is as under:

Date	Time	Name of paper
19/04/2024	11.00am. to 2.00pm.	Practical (Warli painting) Lab.209
20/04/2024	11.00am. to 2.00pm.	Theory Paper( Warli painting)Room No.310



Dr. Pravin Charde  
Principal

Sevadal Mahila Mahavidyalaya Nagpur



(Dr. Mrs. N. A. Tiwade)  
Course Co-ordinator  
Warli Painting



Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**  
**Examination Certificate course in Warli Painting**  
**Summer- 2024**

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**Time-3 Hours**

**Marks:60**

Note: 1) All questions are compulsory.  
2) All question carry equal marks.

- Q.1) Write Introduction of Warli Painting. 10
- Q.2) Write History of Warli Painting. 05
- Q.3) Explain Making of Warli Painting Tools and raw materials. 10
- Q.4) Explain Warli Painting and their Characteristics. 10
- Q.5) Explain Tradition Warli painting Motif. 10
- Q.6) Explain Traditional methods of warli Painting. 10
- Q.7) Draw warli Figure. (Used Plain paper) 05

*N. D. N. S.*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



NAAC RE-ACCREDITED WITH 'A' GRADE

# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440 024

## DEPARTMENT OF TEXTILE AND CLOTHING

### CERTIFICATE COURSE IN WARLI PAINTING

ACADEMIC SESSION : 2023-2024

### MARK SHEET

Sr.No.	Name of the Students	Theory (60)	Practical (20)	Internal Assessment(20)	Total (100)	Words
1	Ku. Aachal Marotrao Kodwate	32	18	19	69	Sixty nine
2	Ku. Anamika Laxam Kosre	35	18	20	73	Seventy three
3	Ku. Anjali Prakash Jadhav	42	18	20	80	Eighty
4	Ku. Karishma Chandrakumar Patle	30	17	19	66	Sixty six
5	Ku. Lina Damodhar Bawane	50	20	20	90	Ninety
6	Ku. Madhuri Rajkumar Satule	45	19	20	84	Eighty four
7	Ku. Mahevish Israil Sheikh	35	17	20	72	Seventy two
8	Ku. Manshi Dinesh Pedulwar	34	16	19	69	Sixty nine
9	Ku. Neha Sanjay Katkade	44	19	20	83	Eighty three
10	Ku. Nikki Ashokkumar Shahu	45	19	20	84	Eighty four
11	Ku. Nandini Gopal Jangade	45	19	20	84	Eighty four
12	Ku. Prachi Ramchandra Bante	42	18	20	80	Eighty
13	Ku. Pratiksha Vikas Pantawane	42	19	20	81	Eighty one
14	Ku. Reshma Salim Sheikh	42	20	20	82	Eighty two
15	Ku. Sakshi Chandrakant Dhawangale	44	19	20	83	Eighty three
16	Ku. Sana Firdous Wasim Farooque	50	20	20	90	Ninety
17	Ku. Shaistunnisa Shahabuddin Khan	44	19	20	83	Eighty three
18	Ku. Sonal Sanjay Birole	49	20	20	89	Eighty nine
19	Ku. Tanu Suresh Kumbhakar	43	19	20	82	Eighty two
20	Ku. Tulsi Shrikant Paturkar	45	19	20	84	Eighty four

  
Dr. Mrs. N.A. Tiwade  
Course Co-ordinator



  
(Prof. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur

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## **SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date-16-04-2024

### **NOTICE**

All the members of the Department of Textile and Clothing are hereby informed that the meeting regarding the Certificate course in **Warli Painting** has been conducted on 22-04-2024 at 11.00 pm at the Hon'ble Principal's Chamber. All the members are request to remain presents for the meeting.

Hon'ble Principal Sir will chair the meeting in presence of Dr.A.P.Lambat, NAAC Coordinator.

#### **Agenda of the meeting:**

- 2) To confirm the minutes of the last meeting.
- 3) To review the progress of the course '**Warli Painting**'.
- 4) Any other matter with the permission of the Chair.



Dr. Mrs. Neeta A. Tiwade  
Course Coordinator

#### **Copy to:**

Dr. A.P.Lambat , NAAC Coordinator



Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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**Minutes of the Meeting**  
Certificate course in 'Warli Painting'

The meeting regarding the Certificate course in Warli Painting, was held on 22-9-2024 at 11.00 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress report of the Certificate course Warli Painting.
- 3) Any other matter with the permission of the Chair.

**Following Members were present.**

- |                                 |                     |
|---------------------------------|---------------------|
| 5) Prof. Pravin Charde,         | Principal Chairman  |
| 6) Dr. Ashish Lambat            | IQAC Coordinator    |
| 7) Dr. Mrs. Neeta A.Tiwade      | Course Co-ordinator |
| 8) 4 Dr. Mrs. Hemlata A. Padole | Member              |

Dr.Mrs.Neeta A.Tiwade, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the point according to the agenda of the meeting.

- 1)Item No.1: To confirm the minutes of the last meeting.  
Resolution: The minutes of the last meeting held on 18-12-2023 were read by the course coordinator and after through discussion the minutes were unanimously approved.



*NAI/bk*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

2) Item No.2: To arrange the Workshop.

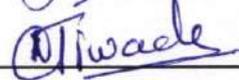
Resolution: To arrange the workshop on Warli painting on 27<sup>th</sup> and 28<sup>th</sup> March 2024.

3) Item No.3: To review the progress of the course 'Textile Designing'.

Resolution: To review of the progress of the Course was thoroughly discussed during meeting. Course coordinator presented Examination result of the certificate course in warli painting. It was approved unanimously.

4) Item No.4: Any other matter with the permission of Chair.

Resolution: Hon'ble Principal Sir instructed to distribute certificates to the students on the accomplishment of certificate course.

Name	Signature
1) Hon'ble Prof. Pravin Charde	
2) Dr. A.P.Lambat	
3) Dr. Mrs. Neeta A.Tiwade	
4) Dr. Mrs. Hemlata A. Padole	

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.





Sevalal Shikshan Sanstha's  
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# Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

## Certificate of Completion

This certificate is awarded to

*Ms. Aachal M. Kodwate*

she has successfully completed the Certificate Course in

*"Warli Painting,*

conducted by the Department of Textile and Clothing.

Date : 30/04/2024



Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

*Nirupama S. Dhoble*

*Tiwade*  
Dr. (Mrs.) Neeta A. Tiwade  
Course Coordinator



*Nirupama S. Dhoble*  
Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur



**'NAAC RE-ACCREDITED WITH 'A' GRADE**

# **Sevalal Mahila Mahavidyalaya**

**Place for Higher Learning & Research (Research Academy)**

**Sakkardara Square, Umrer Road, Nagpur-440 024**

**E-mail: sevamahilamv@gmail.com**

**Website: www.sevalalmahilamahavidyalaya.ac.in**

## **Certificate Course**

### **In**

## **FLOWER DECORATION**

### **Department of Resource Management**

**2023-24**

*N. S. W. B. K.*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

**'CERTIFICATE COURSE**

**In**

**Resource Management**

**FLOWER DECORATION**

**About the course –**

Floral decoration or flower arrangements the art of creating visually appealing compositions using flowers and plant materials. This practice dates back to ancient Egypt where flowers were used for ceremonial purposes.

Flowers play a crucial role in our lives , serving not only as decorative elements but also as symbols of emotions and cultural significance. They enhance celebrations, express love and provide comfort during difficult times. Historically, floral arrangements have adorned religious ceremonies and public festivals, reflecting their importance across cultures. The art of flower decoration combines elements like line, colour, texture and form to create harmonious compositions that uplift spaces and evoke feelings of joy and beauty. The arrangement process involves principles of designs, such as balance and harmony , ensuring that each piece is visually appealing and contextually appropriate.

Additionally, flowers are versatile and suitable for various themes, allowing for creative arrangements that complement the event's overall aesthetic. Ultimately, incorporating floral decor transforms ordinary spaces into extraordinary experiences.



*N. S. Noble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date – 08.08.2023

**NOTICE**

All the members of the Department of Resource Management are hereby informed that the meeting regarding the Certificate Course in 'Flower Decoration' has been scheduled on 10.08.2023 at 12.30 pm at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. Deshpande, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To continue the 'Flower Decoration' course for the year 2023-24.
- 3) Any other matter with the permission of the Chair.

Course Coordinator

**Copy to:**

Dr. Ashish Lambat , NAAC Coordinator



*Nashobte*  
C. ...  
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Nagpur.

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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Minutes of the Meeting  
***Certificate Course***  
***in***  
***'Flower Decoration'***

The meeting regarding the Certificate Course in 'Flower Decoration' was held on 10.08.2023 at 11.30 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To continue the 'Flower Decoration' course for the year 2023-24.
- 3) Any other matter with the permission of the Chair.

**Following Members were present.**

- |                                 |                    |
|---------------------------------|--------------------|
| 1) <u>Dr. Pravin Charde,</u>    | Chairman           |
| 2) <u>Dr. Ashish Lambat</u>     | IQSC coordinator   |
| 3) <u>Mrs. Aboli R. Mahajan</u> | Course coordinator |

Mrs Aboli R. Mahajan , Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal, IQAC coordinator, the member and called the meeting in order with the permission of the chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No.1: **To confirm the minutes of the last meeting.**

Resolution: The minutes of the last meeting held were read by the course coordinator and after through discussion the minutes were unanimously approved.



*Aboli R. Mahajan*  
Off. Principal  
Sevadale Mahila Mahavidyalaya  
Nagpur.

2) Item No.2: **To continue the 'Flower Decoration ' course for the year 2023-24.**

Resolution: As the session 2023-24 is the NAAC assessment year and looking at the mammoth work is due for the preparation of final SSR and subsequent NAAC visit, Hon'ble Principal asked the course coordinator to review the situation in the months of November and December 2022 and accordingly decision should be taken if the course to be continued for the session 2022-23.

3) Item No.3: **Any other matter with the permission of the Chair.**

Resolution: Hon'ble Principal asked the course coordinator to update all the documents for upcoming NAAC.

As there was no other matter to discuss, the Coordinator sum up the meeting by expressing thanks for everyone's gracious attendance.

Name  
1 Hon'ble Dr. Pravin Charde  
2 Dr. Ashish Lamba t  
3 Mrs.Aboli R. Mahajan

Signature  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



*Aboli R.*  
Off. Principal  
Sevadai Mahila Mahavidyalaya  
Nagpur.

# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date:11.09.2023

## NOTICE

Additional skills are required in support with the academic education in today's life. To acquire the extra skill of flower decoration a special Certificate Course in '*flower decoration*' is designed by the Department of Resource Management.

Interested students should contact the following teachers for admission on or before 25.09.2023.

- 1) Mrs. aboli R.Mahajan

  
*Prof. Pravin Charde*

Principal  
Sevadal Mahila Mv, Nagpur



  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date – 09.10.2023

**NOTICE**

All the members of the Department of English are hereby informed that the meeting regarding the Certificate Course in 'Flower Decoration' has been scheduled on 12.10.2023 at 12.30 pm at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. Ashish Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of the course 'Flower Decoration'.
- 3) Any other matter with the permission of the Chair.

*AKM*  
Course Coordinator  
Mrs. Aboli R. Mahajan

Copy To.  
NAAC Coordinator  
Dr. Ashish Lambat



*Noble*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

**NAAC RE-ACCREDITED WITH 'A' GRADE**  
**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Minutes of the Meeting  
***Certificate Course in 'Flower Decoration'***

The meeting regarding the Certificate Course in 'Flower Decoration' was held on 12.10.2023 at 12.30 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of the course 'Flower Decoration'.
- 3) Any other matter with the permission of the Chair.

**Following Members were present.**

- |                                |                    |
|--------------------------------|--------------------|
| 1) <u>Dr. Pravin Charde,</u>   | Chairman           |
| 2) <u>Dr. Ashish Lambat</u>    | IQAC Coordinator   |
| 3) <u>Mrs Aboli R. Mahajan</u> | Course Coordinator |

Mrs. Aboli R. Mahajan, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of the chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No.1: **To confirm the minutes of the last meeting.**

Resolution: The minutes of the last meeting held on 11.09.2023 were read by the course coordinator and after through discussion the minutes were unanimously approved.

- 2) Item No.2: **To review the progress of the course 'Flower Decoration'.**

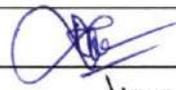
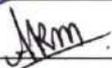


*Aboli*  
Sevalal Mahila Mahavidyalaya  
Nagpur.  
Off. Principal

Resolution: Course Coordinator presented exam result of the Certificate Course Flower decoration . After through discussion it was approved unanimously.

3) Item No.3: **Any other matter with the permission of the Chair.**

Resolution: Hon'ble Principal Sir instructed to distribute certificates to the students on the accomplishment of certificate course.

<u>Name</u>	<u>Signature</u>
1_Hon'ble Dr. Pravin Charde	
2_Dr. Ashish Lambat	
3_Mrs. Aboli R. Mahajan	



*MA Noble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

NAAC RE-ACCREDITED WITH 'A' GRADE

## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

### SYLLABUS

#### Certificate Course in Resource Management

#### “FLOWER DECORATION”

#### SYLLABUS:

#### OBJECTIVES :

AFTER THE COMPLETION OF THIS TRAINING PROGRAM THE TRAIN IS WILL BE  
ABLE TO

1. To Perform floral arrangements
2. To produce various products for flower arrangements.
3. To perform flower arrangements and decorations.
4. To manage various activities necessary for flower arrangement and decoration.
5. To Communicate with others.
6. To develop professionalism.

#### COURSE OUTLINE :

This competency based short term curriculum guide for flower decorator is designed to produce lower level technical workforce in the field of flower arrangement and decoration it with skills knowledge and attitude necessary for flower arrangement and decoration in order to meet the demand of such work force in the country source to contribute in the national streamline of poverty reduction.

#### JOB OPPORTUNITIES:

The main aim of this program is to produce a skilled workforce in the field of flower decoration and arrangement by providing training to unemployed youths and linking them to employment opportunities. Where youth can start up their small scale business. It supports the workers who are working in hospitality organisations with additional skills.



*Noble*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

## **COURSE FEATURE :**

- 1. Three months course**
- 2. One lecture and one practical in a week**
- 3. Total 15 theory and 15 practical lectures.**
- 4. Each lecture is 50 minutes and practical is 1 hour and 40 minutes.**
- 5. Written examination of 40 marks.**
- 6. Practical examination of 40 marks.**
- 7. Internal assessment 20 marks .**

### **UNIT 1 :-**

Definition and Importance

Objectives

Material required

### **UNIT 2 :-**

Application of elements of art in flower arrangement

Application of principles of art in flower arrangement.

### **UNIT 3 :-**

Use of flower arrangement.

Occasion.

placement in the room.

Flowers as a gift

Bouquet, Spray of flowers,Potted.

Types of flower arrangement

Traditional, Modern, Oriental/ Japanese, floating, miniature and Dry flower arrangement.

Do's and don't in flower arrangement.

### **UNIT 4:-**

Artificial flower arrangement

Method of making artificial flower arrangement.

Material required for artificial flower arrangement.

*N. S. W. S.*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

**PRACTICAL :**

Fresh flower arrangement

Dry flower arrangement

Artificial flower arrangement

**SESSIONAL :**

Record Book

Any two articles from dry and artificial flower arrangement

**PROGRAM OUTCOME :**

1. Students will understand the basic techniques of flower arrangement.
2. Students learn different types of flower arrangements.
3. Highlight skills gained , like advanced design techniques and business management for florists.

**Distribution of Marks.**

Theory                    :- 40 marks  
Practical                :- 40 marks.  
Internal Assessment :- 20 marks

\*\*\*\*\*



*N. D. Joshi*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**

**FLOWER DECORATION**

**DEPARTMENT OF RESOURCE MANAGEMENT**

**TIME TABLE- 2023-2024**

**Duration of the course – DECEMBER To MARCH**

DAY	Theory	Practical
FRIDAY	11.40am To 12.30pm	
SATURDAY		11.40am to 1.20pm

*Amc*

Mrs. Aboli R. Mahajan  
Course co-ordinator

*AKR*

Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur.



*Nawble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

To,  
The Principal,  
Sevadal Mahila Mahavidyalaya,  
Nagpur.

Subject :- Submission of course syllabus of “ Flower Decoration ”

Reference :- Your letter on Dated – 3<sup>rd</sup> August 2023.

Respected Sir,

With reference to your letter dated 03/08/2023, we, at the department of Resource Management (Faculty of Home Science) feel very happy to design the syllabus of certificate course “Flower Decoration ” for the college students of Sevadal Mahila Mahavidyalaya, Nagpur.

The purpose of the course is to inculcate the performance skill among the students and enable them to do better work. This present skill base course in flower decoration will play a pivotal role in developing a better personality.

I, hereby, request you to endorse the designed syllabus and if you find any discrepancy, please convey the same. Only after your approval, the next level of planning to commence the course would be prepared.

Thank you.

Date :- 02/09/2023



*N. Aboli R.*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

With regards,

*Aboli R.*  
Mrs Aboli R. Mahajan

Course coordinator

SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR  
CERTIFICATE COURSE  
**Flower Decoration**

Sr.No.	Name of Students
1	Ashfiya Firdaus Riaz Khan Pathan
2	Divya Bhardwaj
3	Janvi T. Khare
4	Janhavi Paithane
5	Komal Z. Chavan
6	Mahenoor Kausar Mohammad
7	Manaswi A.Selwatkar
8	Mubashshera Fatema Meer
9	Ruchika V.Bhongade
10	Saba Anjum Moin Qureshi
11	Saniya Firdaus Mohammad
12	Saniya Rizwan Khan
13	Shruti D. Jawade
14	Tanisha R.Mahajan
15	Trisha P Bhonde
16	Vaishnavi R. Saywan
17	Yamini B. Lonare



*Nalwbl*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

**SEVADAL MAHILA MAHAVIDYALAYA,**  
**SAKKARDARA SQUARE, UMRER ROAD, NAGPUR.**  
**EXAMINATION OF CERTIFICATE COURSE,**  
**FLOWER DECORATION**

**SESSION 2023-24**

Max. Marks. 40

- 
- Note:- 1) All questions are compulsory.  
2) All questions carry equal marks.  
3) Draw diagrams wherever necessary.

1. a) Define flower decoration and write in detail the importance of flower decoration.  
b) Explain the material required for flower decoration. 4\*2=8
  
2. a) Application of elements of art in flower decoration .  
b) application of principles of art and flower decoration. 4\*2=8
  
3. a) Write in detail about the uses of flower decoration .  
b) Explain in detail any two types of flower decoration . 4\*2=8
  
4. a) Write any two methods of making artificial flowers  
b) write in detail the material required for artificial flower decoration. 4\*2=8
  
5. Write in short 2\*4= 8
  - a) Objectives of flower decoration.
  - b) SPray of flowers.
  - c) Miniature
  - d) Importance of artificial flower decoration .



*Nawbir*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umred road, Nagpur

## MARK SHEET

S.No.	Name of Students	Theory (40)	Practical I (40)	Internal Assessment (20)	Total Marks (100)	Grade
1	Ashfiya Firoz Riyaz Khan	35	33	20	88	A
2	Divya Bhardwaj	34	31	20	85	A
3	Janvi T. Khare	29	32	20	81	A
4	Janvi N. Paithane	38	40	20	98	A
5	Komal Z.Chavhan	30	35	20	85	A
6	Mahinoor Kausar Mohammed Sheikh	29	33	20	82	A
7	Manaswi A. Selwatka	39	40	20	99	A
8	Mubashshera Fatema Meer	30	35	20	85	A
9	Ruchika V. Bhongade	38	40	20	98	A
10	Saba Anjum Moin Qureshi	29	35	20	84	A
11	Sadiya Razzaque	31	33	20	84	A
12	Sania Firdaus Mohammed Abid	29	35	20	84	A
13	Shruti Jhawadi	33	31	20	84	A
14	Tanisha Mahajan	35	37	20	92	A

15	Trisha P. Bhonde	37	36	20	93	A
16	Vaishnavi A. Saywan	34	32	20	86	A
17	Yamini B. Lonare	36	39	20	95	A

Mrs. Aboli R. Mahajan  
Course Coordinator

*N. Dhoble*  
Dr. Nirupama S. Dhoble  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur



Office of the Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

15	Trisha P. Bhonde	37	36	20	93	A
16	Vaishnavi A. Saywan	34	32	20	86	A
17	Yamini B. Lonare	36	39	20	95	A

*ARM*

Mrs. Aboli R. Mahajan  
Course Coordinator

*N. Dhoble*

Dr. Nirupama S. Dhoble  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur



*N. Dhoble*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

## **Certificate Course in FLOWER DECORATION**

Certificate courses in FLOWER DECORATION were introduced in the college by the Department of RESOURCE MANAGEMENT from the academic session 2023-24. It is designed to appraise the students' skills .

In the session 2023-24, a new batch was enrolled for the "certificate course in flower decoration. Total 17 (Seventeen) students were admitted to the course. Accordingly, the course was conducted from 1<sup>st</sup> December 2024 to 28<sup>th</sup> February 2024. Examination was conducted on 5<sup>th</sup> April, 2024. Subsequently, the certificates were distributed among the enrolled students.



Mrs Aboli R. Mahajan

CHB

Sevadal Mahila Mahavidyalaya, Nagpur



*N. Aboli R.*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



Sevalal Shikshan Sanstha's  
NAAC RE-ACCREDITED WITH 'A' GRADE

## Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

### Certificate of Completion

This certificate is awarded to

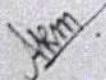
*Ms. Janvi T. Khare*

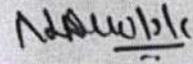
she has successfully completed the Certificate Course in

*"Flower Decoration Management,*

conducted by the Department of Resource Management.

Date : 30/04/2024

  
Mrs. Aboli Mahajan  
Course Coordinator

  
Prof. (Mrs.) Nirupama S. Dhole  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur



Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

*Nirupama*



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# **Sevalal Mahila Mahavidyalaya**

**Place for Higher Learning & Research (Research Academy)**

**Sakkardara Square, Umrer Road, Nagpur-440 024**

**E-mail: sevamahilamv@gmail.com**

**Website: www.sevalalmahilamahavidyalaya.ac.in**

## **Certificate Course *in* Maintenance of Home Appliances**

***Department of Physics***



*N. Quoble*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

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# **Sevadal Mahila Mahavidyalaya**

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**Course Name:** Maintenance of Home Appliances

(Washing Machine, Electric Press)

**Duration:** Three Months

**Eligibility:** 12<sup>th</sup> Pass (Science, Arts, Commerce, MCVC, Home Science)

**OBJECTIVES:**

- To prepare the participants/ beneficiaries for effective techniques.
- To enable participants to handling the instruments and its skills.
- To prepare maintenance methods of appliances.
- To know about the working of appliances.

**Course Outline and Syllabus:**

**Unit I**

**Electricity and Personal Safety:** Concept of ac and dc voltage, frequency and voltage of ac supply in India. Electrical Safety and precautions, Safety devices: fuse, earthing and earthing methods, MCBs.

**Unit II**

**Applications of law of Physics:** Heating effect of electric current, thermostatic control and automation with bimetallic strip.

**Unit III**

**Appliances:** Principle, construction and working of : Electric press, possible defects, precautions and remedies.

**Unit IV**

Definition of motor, motor based appliances principle, construction and working of washing machine, possible defects, precautions and remedies



*M. N. Mohale*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

## **PRACTICAL**

1. Use of multi-meter to measure voltage and frequency of ac supply.
2. To find the efficiency of an electric heater.
3. Calibration of bimetallic strip and verification of automation.
4. To measure power of an appliance and calculate KWH unit of electric energy consumption.
5. Maintenance of washing machine.
6. Maintenance of electric press.

## **BOOK RECOMMENDED:**

1. Principle physics (vol. I & II)- Halliday & Resnik.
2. Principle of physics- Subramanaym, Brijwal.
3. Study of electrical appliances and devices- K. B. Bhatia, Khanna publishers, New Delhi.
4. Electrician Theory- A. K. Mittal, Arihant publication, Merath.
5. Basic electrical Engineering- M. L. Anwani Dhanpat rai 7 co.P.Ltd.
6. How things work ( vol. I & II)- INDUS ( Harper Collins India)

## **Teaching Methodologies:**

- The course will be taught through theory and practical mode.
- Use of chalk board and power point mode as per requirement of the syllabus.
- For Theory: 20 Hrs.
- And for Practical: 20 Hrs.
- Exam Pattern: Theory-Three Hrs and Practical-Six Hrs.
- Attendance: 75% IS Compulsory.

## **Assessment and evaluation Methods:**

- Theory and Practical Paper setting as per the RTM Nagpur University pattern.
- Total Marks : 100
  - Theory : 50
  - IA : 20
  - Practical : 30
  - Experiment : 15
  - Viva : 05



*Numbir*

Off. Principal  
Sevadai Mahila Mahavidyalaya  
Nagpur.

**Course Outcome:**

1. Generation of self employment.
2. Students can understand the concepts of physics, electricity and motor.
3. Students learn about electrical safety, remedies and precautions of appliances.
4. Students learn about ac supply.
5. Students can understand about unit of electric energy consumption.
6. Students can understand about maintenance of electric press and washing machine.

**Name of Teaching staff:**

1. Dr. Raghoba R Nagpure, HOD
2. Assit. Prof. Smita Padole



Dr. Raghoba Nagpure  
Course Coordinater  
Maintenance of Home Appliances



Dr. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur



*N. Charde*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Sevadal Mahila Mahavidyalaya  
Nagpur.

To,  
The Principal,  
Sevadal Mahila Mahavidyalaya,  
Nagpur

Subject:- submission of syllabus of Certificate Course in Maintenance of Home Appliances.

Reference:- Your letter on dated- 3rd Aug 23

Respected Sir,

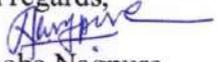
With reference to your letter dated 03 Aug Department of Physics have designed the syllabus of certificate course in Maintenance of home appliances for the college students of Sevadal Mahila Mahavidyalaya, Nagpur.

The purpose of the course is to make students enable to deal with real life maintenance of home appliances and to aware to handling the same. The course will also help students to gain confidence and subsequently build the technique.

I, hereby, request you to endorse the designed syllabus and if you find any discrepancy, please convey the same. Only after your approval, the next level of planning to commence the course would be prepared.

Thanking you.

With regards,

  
Dr. Raghoba Nagpure  
Course Coordinator

*Noushr*

Off. in-  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date – 13.09.2023

**NOTICE**

All the members of the Department of Physics are hereby informed that the meeting regarding the Certificate Course in 'Maintenance of Home Appliances' has been scheduled on 15.09.2023 at 12.30 pm at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. Deshpande, NAAC Coordinator.

**Agenda of the meeting:**

- 1) To confirm the minutes of last meeting.
- 2) To continue 'Maintenance of Home Appliances' course for the year 2023-24.
- 3) Any other matter with the permission of the Chair.



**Dr. R. R. Nagpure**  
Course Coordinator  
Communicative English

**Copy to:**

Dr. P S Deshpande, NAAC Coordinator



*Nawble*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

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# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date: 22.09.20223

## NOTICE

Now a days we are around electrical home appliances and its plays a crucial role in day to day life. To acquire basic skill to maintain the appliances, a special Certificate Course in '*Maintenance of Home Appliances*' is designed by the Department of Physics.

Interested students should contact following teachers for admission on or before 01.10.2023.

- 1) Dr. R. R. Nagpure, HOD, Physics.
- 2) Mrs. Smits P Padole.

*Prof. Pravin Charde*



Principal

Sevadal Mahila Mv, Nagpur



*Nouobkr*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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# Sevadal Mahila Mahavidyalaya

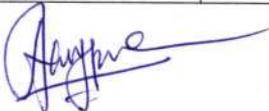
Place for Higher Learning and Research (Research Academy) Sakkardara Square,  
Umrer Road, Nagpur-440024

## CERTIFICATE COURSE IN Maintenance of Home Appliances

Academic Session : 2023-2024

### List of Students of B. Sc. H. Sc Sem-III

SR. No.	NAME OF STUDENTS
1	Aachal Marotrao Kodwate
2	Anamika Laxam Kosre
3	Anjali Prakash Jadhav
4	Bhakti Panditrao Fating
5	Divya Rishi Mohane
6	Karishma Chandrakumar Patle
7	Lina Damodhar Bawane
8	Madhuri Rajkumar Satule
9	Mahevish Israil Sheikh
10	Manjiri Shrikant Paturkar
11	Manshi Dinesh Pedulwar
12	Nandini Gopal Jangade
13	Neha Rajesh Vishwakaram
14	Neha Sanjay Katkade
15	Nikki Ashokkumar SHahu
16	Prachi Ramchandra Bante
17	Pratiksha Vikas Pantawane
18	Reshma Salim Sheikh
19	Sakshi Chandrakant Dhawangale
20	Sakshi Sanjay Shingade
21	Samiksha Pandurang Buradkar



MR. R. R. NAGPURE



Prof. P. N. Charde  
Principal

Office Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

Minutes of the Meeting 19.03.2024

***Certificate Course in 'Maintenance of Home Appliance'***

The meeting regarding the Certificate Course in '***Maintenance of Home Appliance***' was held on 19.03.2024 at 12.30 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of the course '***Maintenance of Home Appliance***'.
- 3) Any other matter with the permission of the Chair.

**Following Members were present.**

- |   |                    |
|---|--------------------|
| 1) <u>Dr. N. S. Shinde</u>              | Chairman           |
| 2) <u>Asst. Prof. A. P. Lambur</u>      | IQAC Coordinator   |
| 3) <u>Asst. Prof. R. R. Nagpure</u>     | Course Coordinator |
| 4) <u>Asst. Professor Smita Padole.</u> | Member             |

Mr. R. R. Nagpure, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No.1: **To confirm the minutes of the last meeting.**

Resolution: The minutes of the last meeting held on 11.10.2023 were read by the course coordinator and after through discussion the minutes were unanimously approved.

- 2) Item No.2: **To review the progress of the course '*Maintenance of Home Appliance*'.**

Resolution: Course Coordinator presented exam result of the Certificate Course. After through discussion it was approved unanimously.



*Nawab*  
Off. Principal  
Sevadal Mahila Mahavidyalaya

3) Item No.3: **Any other matter with the permission of Chair.**

Resolution: Hon'ble Principal Sir instructed to distribute certificates to the students on the accomplishment of certificate course.

<u>Name</u>	<u>Signature</u>
1 Hon'ble Dr. N.S. Dhoble 2	<u>N.S. Dhoble</u>
Mr. A.P. Lambert	<u></u>
3 Mr. R. R Nagpure	<u>R. R Nagpure</u>
4 Mrs. Smita Padole	<u></u>



N.S. Dhoble  
Off. Principal  
Sevadai Mahila Mahavidyalaya  
Nagpur.

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# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date : 07.04.2024

## NOTICE

All the students of Certificate Course in Maintenance of Home Appliances are hereby informed that the theory Written, practical and Oral Examination will be held on 24.04.2024 at 2.00 pm and 26.04.2024 in the dept. of Physics of the College . Students are directed to remain present.



**Dr. R.R.Nagpure**  
Course Coordinator  
Certificate course



Off. Principal *N.S. Dhoble*  
Sevadal Mahila Mahavidyalaya  
Nagpur.

*Prof. N.S. Dhoble*  
Principal

Sevadal Mahila Mv, Nagpur

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# Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy) Sakkardara Square,  
Umrer Road, Nagpur-440024

## CERTIFICATE COURSE IN Maintenance of Home Appliances.

Academic Session : 2023-2024

### MARK SHEET

SR. No.	NAME OF STUDENT	MARKS OBTAINED				IN WORDS	GRADE
		Theory (50)	IA (20)	Prct (30)	Total (100)		
1	Aachal Marotrao Kodwate	29	19	26	74	Seventy four	A
2	Anamika Laxam Kosre	34	18	25	77	Eighty Four	A
3	Anjali Prakash Jadhav	30	17	27	74	Seventy four	A
4	Bhakti Panditrao Fating	29	16	24	69	Fifty Two	B
5	Divya Rishi Mohane	34	18	26	78	Seventy eight	A
6	Karishma Chandrakumar Patle	28	14	24	66	Sixty six	B
7	Lina Damodhar Bawane	39	16	27	82	Eight two	A
8	Madhuri Rajkumar Satule	24	18	26	68	Sixty Eight	A
9	Mahevish Israil Sheikh	36	12	29	75	Seventy five	A
10	Manjiri Shrikant Paturkar	48	18	27	93	Ninety three	A
11	Manshi Dinesh Pedulwar	36	20	26	82	Eighty two	A
12	Nandini Gopal Jangade	39	18	28	85	Eighty five	A
13	Neha Rajesh Vishwakaram	43	17	24	84	Eighty four	A
14	Neha Sanjay Katkade	42	18	28	88	Eighty eight	A
15	Nikki Ashokkumar SHahu	46	19	24	89	Eighty nine	A
16	Prachi Ramchandra Bante	44	18	20	82	Eighty two	A
17	Pratiksha Vikas Pantawane	38	19	26	83	Eighty three	A



Off. *Signature*  
Sevadal Mahila Mahavidyalaya  
Nagpur.

18	Reshma Salim Sheikh	36	20	27	83	Eighty three	A
19	Sakshi Chandrakant Dhawangale	49	20	26	95	Eighty nine	A
20	Sakshi Sanjay Shingade	44	16	25	85	Eighty Five	A
21	Samiksha Pandurang Buradkar	41	14	25	80	Eighty	A



**(Dr R R Nagpure)**  
Course Co-ordinator



Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

*Nawble*  
**(Prof. N. S. Dhoble)**  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur



**Sevalal M<sub>NAACSR</sub>evahila**

**Mad<sub>CACIRSEHD</sub>ikisTheMad<sub>nWSA</sub>iaTn<sub>H</sub>ahavidyalaya**

**st'Aha' 'GsRADE**

**Place for Higher Learning and  
Research (Research Academy)**

**Sakkardara Square, Umrer Road, Nagpur-440024**

## *Certificate of Completion*

This certificate is awarded to

**Ms. Aachal M. Kodwate**

she has successfully completed the Certificate Course in

*"Maintenance of Home Appliances (Washing Machine & Electric Press"*

conducted by the Department of Physics.

Date : 30/04/2024



**Dr. R. R. Nagpure**  
Course Coordinator

**Prof. (Mrs.) Nirupama S. Dhoble**  
Off. Principal

Sevalal Mahila Mahavidyalaya, Nagpur

*N.S. Dhoble*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

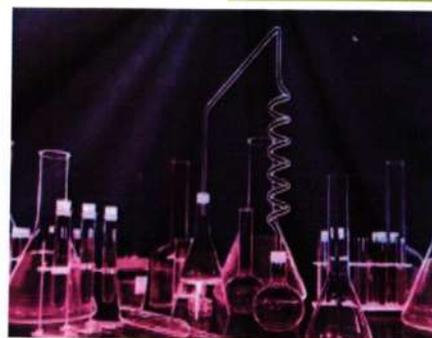
# Certificate Course in Cosmetics Preparation

Website: [www.sevadalmahilamahavidyalaya.ac.in](http://www.sevadalmahilamahavidyalaya.ac.in),  
Email: [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)

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Place for Higher Learning & Research (Research Academy)  
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Nagpur.

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# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkaradara Square, Umrer Road, Nagpur-440024

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**Course Name: Cosmetics Preparation**

**Duration: Three Months**

**Eligibility: 12<sup>th</sup> Pass (Science, Arts, Commerce, MCVC, Home Science)**



*NAUWDE*  
**Off. Principal**  
Sevadai Mahila Mahavidyalaya  
Nagpur

# Sevadal Mahila Mahavidyalaya

Sakkardara Chowk, Umrer Road, Nagpur-440 009

Date: 05/07/2023

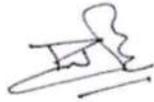
## NOTICE

The members of the College level *Certificate course in Cosmetics Preparation* Committee are hereby informed that, they should attend the meeting on 10/07/2023 at 11.30 am. in the Principal's Chamber.

### **Agenda of the meeting:**

- 1) To finalize the syllabus of the course.
- 2) To finalize the practical content of the course.
- 3) To discuss on the time table of the course.
- 4) To discuss on the admission of the students to the course.
- 5) Any other matter with the permission of the Chair.

  
(Dr. P. S. Deshpande)  
Coordinator

  
(Dr. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur

### **Members:**

- 1) Dr. (Mrs.) J. S. Ramteke
- 2) Dr. A. P. Lambat
- 3) Dr. (Mrs.) P. P. Chahande

### **Signature**

  
\_\_\_\_\_  
  
\_\_\_\_\_  
\_\_\_\_\_

# Sevadal Mahila Mahavidyalaya

Sakkardara Chowk, Umrer Road, Nagpur-440 009

## Minutes of the Meeting of the Committee for "Certificate course in Cosmetics Preparation"

The meeting of the members of *Certificate course in Cosmetics Preparation* committee was held on 10/07/2023 at 11.30 am. in the Principal's Chamber.

Following members were present.

1) Dr. Pravin Charde	Chairman
2) Dr. P. S. Deshpande	Coordinator
3) Dr. (Mrs.) J. S. Ramteke	Member
4) Dr. A. P. Lambat	Member
5) Dr. (Mrs.) P. P. Chahande	Member

Dr./Mr./Mrs. Dr. P. S. Deshpande, Coordinator of the committee acted as Secretary. The coordinator welcomed the Hon'ble Principal & all the Members and called the meeting in order with the permission of chairperson. The coordinator read out the agenda of the meeting.

**Item No.1:** To finalize the syllabus of the course.

**Resolution:** It has been decided that the course should include the basic information about the soap, detergents, shampoo and functions of ingredients of shampoo.

It has been decided that the course should include types of soap, industrial method of preparation of soap, cleansing action of soap. It has been also decided that the course should include types of detergents, difference between soap and detergents, composition of solid and liquid detergents.

**Item No.2:** To finalize the practical content of the course

**Resolution:** It has been decided that the course should include following practicals,

1. Preparations of cosmetics: i) Soap ii) Shampoo iii) Liquid detergents iv) Phenyl.
2. Determination of total fatty matter present in soap.
3. Determination of total alkali present in a soap.

**Item No.3:** To discuss on the time table of the course.

**Resolution:** It has been decided that the theory and practical content of the course should be taught to the students in their regular practical timing of the timetable of B. Sc. Part II (Home Science).

**Item No.4:** To discuss on the admission of the students to the course

**Resolution:** It has been decided that the students who are 12<sup>th</sup> Pass (Science, Arts, Commerce, MCVC, Home Science) are eligible for the certificate course. Admission should finalize by the end of the July 2023 so that the course can starts from 01<sup>st</sup> August 2023

**Item No.5:** Any other matter with the permission of Chair.

**Resolution:**

- It has been decided that the course content should be available in English and Marathi medium.
- As there was no matter for further discussion, the meeting ends by giving thanks to the Chair.

Name	Signature
1) Dr. Pravin Charde	
2) Dr. P. S. Deshpande	
3) Dr. (Mrs.) J. S. Ramteke	
4) Dr. A. P. Lambat	
5) Dr. (Mrs.) P. P. Chahande	

## Course Outline and Syllabus:

### Unit I

- a) **Soap and:** Definition, types of soap, Industrial method of preparation of soap, cleansing action of soap.
- b) **Detergents: Introduction,** Definition, Types of detergents, Difference between soap and detergents, composition of detergent, Liquid detergents.

### Unit II

- a) **Cosmetics:** Definition, functions and ingredients of shampoo.
- b) Hazards of cosmetics.

### Unit-III

1. **Essential oils:** Introduction, Definition, occurrence and methods of extraction of essential oils, Eucalyptus oil, Rose oil, Lavender oil.
- a) **Perfumes:** Definition, characteristics of perfume, composition of perfumes, formulation of any two perfumes.

### PRACTICAL

1. Preparations of cosmetics: i) Soap ii) Shampoo iii) Liquid detergents iv) Phenyl
2. Determination of total fatty matter present in soap.
3. Determination of total alkali present in a soap.
4. Preparation of dyes and drug
  - i) Methyl salicylate from salicylic acid.
  - ii) Methyl orange dye from beta-naphthol and aniline



*N. Umble*

Off. Principal  
Sevakal Mahila Mahavidyalaya  
Nagpur.

### BOOK RECOMMENDED:

1. Text Book of Organic Chemistry: B.S. Bahl and G.D. Tuli, S. Chand Publication, New Delhi.
2. Text Book of Physical Chemistry: B.S. Bahl and G.D. Tuli, S. Chand Publication, New Delhi.
3. A Text Book of Engineering Chemistry, S.S. Dara and Suresh Umare, S. Chand Publication, New Delhi.
4. A Text Book of Basic and Applied Chemistry, P.C. Jain and Monica Jain.
5. Polymer Science by V.R. Gowarikar, Wiley Ester Ltd 1987.
6. Text Book of Organic Chemistry by J. L. Finar, Longman Publication,
7. Synthetic Dyes by G R Chatwal, Himalaya Publishing House, New Delhi.
8. Synthetic Drug by G R Chatwal and Anand, Himalaya Publishing House, New Delhi.
9. Organic Chemistry of Natural Products Vol. I and II, by G. R. Chatwal, Himalaya Publishing House, New Delhi.
10. Perfumes, Cosmetics, Soaps Vol. I, II and III by W. A. Poucher, Ninth Edition, Chapman and Hall Publication (1975)
11. New Cosmetic Science by Takeo Mitsui, Elsevier, 1997.

### Course Outcome:

1. Students can understand the Industrial method of preparation of soap.
2. Students get acquainted with the knowledge of solid and liquid detergent.
3. Students get acquainted with the knowledge the essentials oils and perfumes.
4. Students can understand about quality of cosmetics.
5. Students get acquainted with the hazards of cosmetics.



*Nawble*  
Off. Principal  
Sevada Mahila Mahavidyalaya  
Nagpur.

**List of admitted Students for the Certificate Course in Cosmetics Preparation**

**Academic Session 2023-24**

No.	Name of the Student	Name of the Program
1	LINA DAMODHAR BAWANE	B.Sc. II (Home Science)
2	MAHVISH ISRAIL SHEIKH	B.Sc. II (Home Science)
3	NEHA RAJESH VISHWAKARMA	B.Sc. II (Home Science)
4	PRATIKSHA VIKAS PANTAWANE	B.Sc. II (Home Science)
5	RESHMA SALIM SHEIKH	B.Sc. II (Home Science)
6	SAKSHI SANJAY SHINGADE	B.Sc. II (Home Science)
7	SANA FIRDOUS WASIM FAROOQUED	B.Sc. II (Home Science)
8	SONAL SANJAY BIROLE	B.Sc. II (Home Science)
9	TANU SURESH KUMBHALKAR	B.Sc. II (Home Science)
10	TULSI SHRIKANT PATURKAR	B.Sc. II (Home Science)

  
**Dr. P. S. Deshpande**  
Course Coordinator  
Dept. Of Chemistry( H.Sci)  
Sevadal Mahila Mahavidyalaya,  
Nagpur

  
**Prof. (Mrs.) N. S. Dhoble**  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur



  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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## Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

### *Certificate of Completion*

This certificate is awarded to

*Ms. Reshma Salim Sheikh*

she has successfully completed the Certificate Course in

*"Cosmetics Preparation",*

conducted by the Department of Chemistry (Home Science).

Date : 30/04/2024

*P.S. Deshpande*

**Dr. Pravin S. Deshpande**  
Course Coordinator

*N. Dhoble*

**Prof. (Mrs.) Nirupama S. Dhoble**  
Off. Principal

Sevalal Mahila Mahavidyalaya, Nagpur



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## **Sevalal Mahila Mahavidyalaya**

**Place for Higher Learning & Research (Research  
Academy) Sakkardara Square, Umrer Road, Nagpur-440  
024**

**E-mail: [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)**

**Website: [www.sevalalmahilamahavidyalaya.ac.in](http://www.sevalalmahilamahavidyalaya.ac.in)**

## **Certificate Course *in* Kitchen Gardening**

**Academic Session: 2023-2024**

***Department of Biology***

## **Report of Certificate Course in Kitchen Gardening**

Kitchen gardening can be as simple as setting up a few pots by a sunny window or utilizing a small plot of land in your yard.

Living in a big city means having a small home without a front or backyard.

Kitchen gardening is an enjoyable and rewarding activity where you grow your own vegetables, herbs, and fruits. This type of gardening is done in a small area, like a balcony, terrace, or even a window sill. It's like having a tiny farm right in your home!

Growing your own food ensures freshness and quality. When you have a kitchen garden at home, you have complete control over how your plants are grown. You can choose to use organic soil and natural fertilizers to grow them. This means that the vegetables and herbs you harvest will be free from harmful chemicals and pesticides. Growing your own food at home in your kitchen garden in India saves money because you don't have to buy it from the store all the time.

Moreover, kitchen gardening promotes a healthier lifestyle by providing pesticide-free and organic options for consumption. You can enjoy the satisfaction of eating fresh vegetables straight from your kitchen garden without worrying about any harmful chemicals that may be present in commercially grown produce.

Not only does kitchen gardening benefit your physical health but it also has positive effects on mental well-being. Engaging with nature through planting and nurturing plants can be incredibly therapeutic and calming. It helps us to relax and feel connected to nature.

Department of Biology conducted a Certificate course in **Kitchen Gardening** in academic session 2023-2024. Total 20 (Twenty) students were admitted to the course. Accordingly, course was conducted from 1<sup>st</sup> January 2024 to 31<sup>th</sup> March 2024. The Theory and Practical classes has been taken for the students.

Examination was conducted on 24<sup>th</sup> April, 2024. Subsequently, the certificates were distributed among the enrolled students.

### **AIMS AND OBJECTIVES:**

To introduce students to establish a Kitchen Garden can have following Aims and Objectives -

1. Immense role in tackling the problem of malnutrition and micronutrients deficiencies in family.
2. Women are the main care-takers of the garden, and kitchen garden empowers them, ensures better utilization of the income for food and increases family welfare.
3. Kitchen gardening decreases expenditure for vegetables, increase supply variety of vegetables.
4. Increases crop diversity area of kitchen gardening.
5. Improves self-esteem and motivation.
6. Increase community connection after starting kitchen gardening activity.
7. Improves social environment.

NAAC RE-ACCREDITED WITH 'A' GRADE  
**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date – 01-12-2023

**NOTICE**

All the members of the Department of Biology are hereby informed that the meeting regarding the Certificate course, Kitchen Gardening, has been scheduled on 04-12-2023 at 01.00 pm at the Hon'ble Principal's Chamber. All the members are request to remain presents for the meeting.

Hon. Principal Sir will chair the meeting in presence of Dr. A. P. Lambat, NAAC Co-ordinator.

**Agenda of the meeting:**

- 1) To commence the Certificate Course on Kitchen Gardening.
- 2) To Frame the syllabus of the course
- 3) Any other matter with the permission of the Chair.

  
Dr. Mrs. J.S. Ramteke  
Course Co-ordinator

**Copy to:**  
Dr. A.P.Lambat, NAAC Coordinator

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**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

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**Minutes of the Meeting**

*Certificate course on Kitchen Gardening*

The meeting regarding the Certificate course on Kitchen Gardening, was held on 04-12-2023 at 01.00 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

To commence the Certificate Course on Kitchen Gardening.

To frame the syllabus of the course.

Any other matter with the permission of the Chair.

**Following Members were present.**

Prof. Pravin Charde, Principal Chairman

Dr. Ashish Lambat IQAC Coordinator

Dr. Mrs. J.S Ramteke Course Coordinator

Prof. R. D. Gadewar Member

Dr. Mrs.J.S.Ramteke, Course Coordinator acted as Secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson.

The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

**Item No.1:** To commence the Certificate course on Kitchen Gardening.

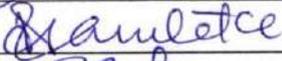
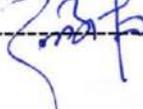
**Resolution:** It was decided to commence the Certificate course on Kitchen Gardening from the Session 2023-2024.

**Item No.2 :** To Frame the syllabus of the course.

**Resolution:** Hon'ble Principal expressed his views regarding the framing of course syllabus Dr. Mrs. J.S. Ramteke to prepare syllabus of the certificate course on Kitchen Gardening.

**Item No.3:** Any other matter with the permission of Chair.

**Resolution:** As there was no other matter for further discussion, the Coordinator sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1. Prof. Pravin Charde	
2. Dr. Ashish Lambat	
3. Dr. Mrs. J.S. Ramteke	
4. Prof. R. D. Gadewar	

NAAC RE-ACCREDITED WITH 'A' GRADE

## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date – 14-12-2023

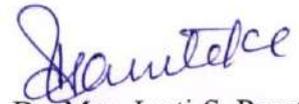
### NOTICE

All the members of the Department of Biology are hereby informed that the meeting regarding the Certificate course on Kitchen Gardening has been conducted on 18-12-2023 at 01.00 PM at the Hon'ble Principal's Chamber. All the members are request to remain presents for the meeting.

Hon'ble Principal Sir will chair the meeting in presence Dr. A. P. Lambat NAAC Coordinator.

#### Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of Kitchen Gardening
- 3) To arrange the Visit to Nursery.
- 4) Any other matter with the permission of the Chair.



Dr. Mrs. Jyoti S. Ramteke  
Course Co-ordinator

#### Copy to:

Dr. A.P.Lambat, NAAC Co-ordinator

NAAC RE-ACCREDITED WITH 'A' GRADE

## **SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

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### **Minutes of the Meeting**

#### **Certificate course on Kitchen Gardening**

The meeting regarding the Certificate course on Kitchen Gardening, was held on 18-12-2023 at 01.00 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

#### **Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of **K i t c h e n  
G a r d e n i n g**
- 3) Any other matter with the permission of the Chair.

#### **Following Members were present.**

- |                          |                    |
|--------------------------|--------------------|
| 1) Prof. Pravin Charde,  | Principal Chairman |
| 2) Dr. Ashish Lambat     | IQAC Coordinator   |
| 3) Dr. Mrs. J.S. Ramteke | Course Coordinator |
| 4) Prof. R.D. Gadewar    | Member             |

Dr. Jyoti Ramteke, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No.1: To confirm the minutes of the last meeting.

Resolution: The minutes of the last meeting held on 04-12-2023 were read by the course coordinator and subsequently the minutes were unanimously approved.

- 2) Item No.2: To review the progress of framing the syllabus of Kitchen Gardening.

Resolution: Course coordinator tabled the newly framed syllabus of Certificate course on Kitchen Gardening in the meeting. After Thorough discussion it was approved unanimously.

- 3) Item No.3: To arrange the Educational Visit.

Resolution: The Chairperson has advised to organized a Visit as per the specification of the curriculum. The Resolution was passed unanimously.

- 4) Item No.4: Any other matter with the permission of Chair.

Resolution: Hon'ble Principal directed the coordinator to start admission for the students. As there was no other matter discuss, the meeting was concluded vote of thanks by the coordinator of the course.

Name

Signature

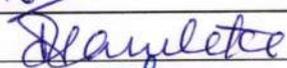
- 1) Prof. Pravin Charde  
2) Dr. Ashish Lambat  
3) Dr. Mrs. J.S. Ramteke  
4) Prof. R. D. Gadewar

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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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**Department of Biology**  
**(Faculty of Home Science)**

**CERTIFICATE COURSE on KITCHEN GARDENING**

Course Duration	: Three Months (January to March)
Eligibility criterion for Admission	: 12 <sup>th</sup> Passed in any stream.
Medium of Instruction	: English/Marathi/Hindi
Total no. of paper	: Theory Paper -1 (Two lectures in a week)
Evaluation Scheme	: Total Marks - 100 : Theory Paper -60 : Practical - 20
Minimum Passing	: Internal Assessment Marks: 20 : Theory - 30 : Practical- 1

## **SYLLABUS**

### **CERTIFICATE COURSE ON KITCHEN GARDENING**

#### **OBJECTIVES:**

1. Kitchen gardening decreases expenditure for vegetables
2. It increase Nutritious variety of vegetables.
3. Improves self-esteemed and motivation.
4. Starting kitchen gardening activity increases community connection.

#### **COURSE CONTENT**

##### **Unit-I**

1. Preparation of nursery beds for sowing of vegetable seeds.
2. Digging of pits for vegetable plants, planting systems, training and pruning.
3. Preparation of fertilizer mixtures and field application.

##### **Unit-II**

1. Preparation and application of growth regulators, layout of different irrigation systems.
2. Identification and management of nutritional disorder in fruits, assessment of bearing habits, maturity standards, harvesting, grading, packaging and storage.

##### **Unit- III**

1. Preparation of nursery beds and sowing of seeds.
2. Preparation of plant material for potting.
3. Hardening plants in the nursery.

##### **Unit- IV**

1. Practicing different types of cuttings, layering, graftings and buddings including opacity and grafting .
2. Preparation growth regulators for seed germination and vegetative propagation.

### **PRACTICALS**

1. Identification of tools and implements
2. Layout of nutrition garden.
3. Preparation of nursery beds for sowing of vegetable seeds
4. Digging of pits for fruit plants
5. Study of planting systems
6. Preparation of fertilizer mixtures and field application.
7. Study of harvesting and grading of horticultural crops
8. Study of packaging and storage of horticultural crops
9. Study of different media for plant propagation.
10. Preparation of nursery beds and sowing seeds.
11. Potting reporting and preparation of plant material for potting.
12. Practicing different types of cutting, layering
13. Practicing different budding method.
14. Practicing different grafting methods.

### **Internal Assessment**

1. Visit to Horticulture laboratory.
2. Visit to established model Govt. and Private Nurseries of adjoining area.



Dr. Mrs. J. S. Ramteke  
Course co-ordinator

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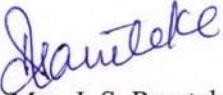
## Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440 024

**DEPARTMENT OF BIOLOGY**  
**CERTIFICATE COURSE on KITCHEN GARDENING**  
Academic Session : 2023-2024  
Student List

Sr.No.	Name of the Student
1	Ku. Janhvi Narendra Paithane
2	Ku. Anamika Laxam Kosre
3	Ku. Manaswi Anil Selwatkar
4	Ku. Karishma Chandrakumar Patle
5	Ku. Ruchika Vilas Bhongale
6	Ku. Saba Anjum Moin Qureshi
7	Ku. Mahevish Israil Sheikh
8	Ku. Trisha Prakash Bhone
9	Ku. Neha Sanjay Katkade
10	Ku. Nikki Ashokkumar Shahu
11	Ku. Vaishnavi Rakesh Saywan
12	Ku. Prachi Ramchandra Bante
13	Ku. Pratiksha Vikas Pantawane
14	Ku. Reshma Salim Sheikh
15	Ku. Sakshi Chandrakant Dhawangale
16	Ku. Sana Firdous Wasim Farooque
17	Ku. Shaistunnisa Shahabuddin Khan
18	Ku. Sonal Sanjay Birole
19	Ku. Tanu Suresh Kumbhakkar
20	Ku. Tulsi Shrikant Paturkar

  
Dr. Mrs. J. S. Ramteke  
Course Co-ordinator

  
(Prof. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur

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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date-10-04-2024

**NOTICE**

All the students of B.Sc. Home Science certificate course on 'Kitchen Gardening' are hereby informed that Final Time Table of Theory & Practical.

Examination of Certificate Course 2024 is as under:

Date	Time	Name of paper
19/04/20 24	11.00am. to 2.00pm.	Practical Biology Lab.
20/04/20 24	11.00am. to 2.00pm.	Theory Paper Room No.310



(Dr. Mrs. J. S. Ramteke)  
Course Co-ordinator



Dr. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya Nagpur

**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**  
**Examination Certificate course on Kitchen Gardening**  
**Summer- 2024**

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**Time-3 Hours**

**Marks:60**

Note: 1) Answer any Six Questions.  
2) All question carry equal marks.

- |   |    |
|---|----|
| Q.1) Write about your interest in Kitchen Gardening.                | 10 |
| Q.2) Write Layout of Kitchen Garden.                                | 10 |
| Q.3) Explain the Tools and their working.                           | 10 |
| Q.4) Explain the precautions to be taken during selection of seeds. | 10 |
| Q.5) Explain Traditional method of sowing.                          | 10 |
| Q.6) Explain the cultivation process of Cauliflower.                | 10 |
| Q.7) Draw a plan of kitchen garden. (Used Plain paper)              | 10 |

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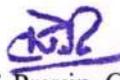
# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research  
Academy) Sakkardara Square, Umrer Road,  
Nagpur-440 024

**DEPARTMENT OF BIOLOGY**  
**CERTIFICATE COURSE ON KITCHEN GARDENING**  
**ACADEMIC SESSION : 2023-2024**  
**MARK SHEET**

Sr.No.	Name of the Students	Theoy (60)	Practical (20)	Internal Assessment(20)	Total (100)	Words
1	Ku. Aachal Marotrao Kodwate	32	18	19	69	Sixty nine
2	Ku. Anamika Laxam Kosre	35	18	20	73	Seventy three
3	Ku. Anjali Prakash Jadhav	42	18	20	80	Eighty
4	Ku. Karishma Chandrakumar Patle	30	17	19	66	Sixty six
5	Ku. Lina Damodhar Bawane	50	20	20	90	Ninety
6	Ku. Madhuri Rajkumar Satule	45	19	20	84	Eighty four
7	Ku. Mahevish Israil Sheikh	35	17	20	72	Seventy two
8	Ku. Manshi Dinesh Pedulwar	34	16	19	69	Sixty nine
9	Ku. Neha Sanjay Katkade	44	19	20	83	Eighty three
10	Ku. Nikki Ashokkumar Shahu	45	19	20	84	Eighty four
11	Ku. Nandini Gopal Jangade	45	19	20	84	Eighty four
12	Ku. Prachi Ramchandra Bante	42	18	20	80	Eighty
13	Ku. Pratiksha Vikas Pantawane	42	19	20	81	Eighty one
14	Ku. Reshma Salim Sheikh	42	20	20	82	Eighty two
15	Ku. Sakshi Chandrakant Dhawangale	44	19	20	83	Eighty three
16	Ku. Sana Firdous Wasim Farooque	50	20	20	90	Ninety
17	Ku. Shaistunnisa Shahabuddin Khan	44	19	20	83	Eighty three
18	Ku. Sonal Sanjay Birole	49	20	20	89	Eighty nine
19	Ku. Tanu Suresh Kumbhakar	43	19	20	82	Eighty two
20	Ku. Tulsi Shrikant Paturkar	45	19	20	84	Eighty four

  
Dr. Mrs. J.S. Ramteke  
Course Co-ordinator

  
(Prof. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur

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**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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Date-16-04-2024

**NOTICE**

All the members of the Department of Textile and Clothing are hereby informed that the meeting regarding the Certificate course in **kitchen Gardening** has been conducted on 22-04-2024 at 01.00 pm at the Hon'ble Principal's Chamber. All the members are request to remain presents for the meeting.

Hon'ble Principal Sir will chair the meeting in presence of Dr.A.P.Lambat, NAAC Coordinator.

**Agenda of the meeting:**

- 2) To confirm the minutes of the last meeting.
- 3) To review the progress of the course '**Kitchen Gardening**'.
- 4) Any other matter with the permission of the Chair.



Dr. Mrs. J.S.Ramteke  
Course Coordinator

**Copy to:**

Dr. A.P.Lambat , NAAC Coordinator

NAAC RE-ACCREDITED WITH 'A' GRADE

**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

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**Minutes of the Meeting**  
**Certificate course in 'Kitchen Gardening'**

The meeting regarding the Certificate course in Kitchen Gardening, was held on 22-94-2024 at 01.00 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:**

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress report of the Certificate course Kitchen Gardening.
- 3) Any other matter with the permission of the Chair.

**Following Members were present.**

- |                          |                     |
|--------------------------|---------------------|
| 1. Prof. Pravin Charde,  | Principal Chairman  |
| 2. Dr. Ashish Lambat     | IQAC Coordinator    |
| 3. Dr. Mrs. J.S. Ramteke | Course Co-ordinator |
| 4. Dr. R.D.Gadewar       | Member              |

Dr. Mrs. J.S.Ramteke, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the point according to the agenda of the meeting.

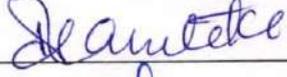
- 1) Item No.1: To confirm the minutes of the last meeting.  
Resolution: The minutes of the last meeting held on 18-12-2023 were read by the course coordinator and after through discussion the minutes were unanimously approved.

2) Item No.2: To arrange the Visit.

Resolution: To arrange the visit to Plant Nursery in March 2024.

3) Item No.4: Any other matter with the permission of Chair.

Resolution: Hon'ble Principal Sir instructed to distribute certificates to the students on the accomplishment of certificate course.

Name	Signature
1) Hon'ble Prof. Pravin Charde	 _____
2) Dr. A.P. Lambat	 _____
3) Dr. Mrs. J.S.Ramteke	 _____
4) Dr. R.D.Gadewar	 _____

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## Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440 024

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Date: 01-12-2023

### Notice

All the students of B.Sc. Home Science are hereby informed that the Certificate course in '**Kitchen Gardening**' run by Department of Biology. The duration of these are as follows:

Certificate course - Three Months

Certificate Course will commence from 1<sup>st</sup> January 2024. Interested students should enroll their names to the following Teachers on or before 30<sup>th</sup> December 2023.

- 1) Dr. Mrs. J. S. Ramteke
- 2) Dr. A. P. Lambat
- 3) Dr. R.D. Gadewar

Prof. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur



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# Sevalal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440 024

E-mail: sevamahilamv@gmail.com

Website: www.sevalalmahilamahavidyalaya.ac.in

## Certificate Course *in* **Light Music**

2023-24

*Department of Music*

*Masoble*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.



NAAC RE-ACCREDITED WITH 'A' GRADE

# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date : 10.01.2024

## NOTICE

All the students are hereby informed that the Certificate Course in '*Light Music*' run by Department of Music is designed to apprise the students about the classical and light music. Interested students should contact following teachers for admission on or before 15<sup>th</sup> January, 2024.

- 1) Dr. S S Mandaogade, HOD.
- 2) Mr. N A Khandekar
- 3) Dr. T S Madankar



**Prof. Pravin Charde**  
Principal  
Sevadal Mahila Mv, Nagpur

*N. S. Choube*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research- (Research Academy)  
Sakkardara Chowk Umtr Road Nagpur-440024

**Minutes of the Meeting dated 05/01/2024 .**  
**Certificate Course in "Light Music"**

The meeting regarding the Certificate Course in ' held on 05/01/2024 at 11.00 am in the Hon'ble Principal's Chamber Hon'ble Principal Sir presided over the meeting.

Agenda of the meeting:

- 1) To Review progress of framing syllabus of Light Music.
- 2) Any other matter with the permission of the chair.

Following Members were Present'

- |                                   |                    |
|-----------------------------------|--------------------|
| 1) Dr. Pravin Charde,             | Chairman           |
| 2) Associate. Prof. Ashish Lambat | IQAC Coordinator   |
| 3) Prof. Dr. Shubhada Mandavgade  | Course Coordinator |

Prof. Dr. Shubhada Mandavgade Course Coordinator acted as secretary in the meeting' The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The coordinator read out the agenda of the meeting and subsequently discussed the matter'

No.1: To review the progress of framing the syllabus of Light Music.  
Resolution: course coordinator tabled the newly framed syllabus of certificate Course in Light Music' After through discussion it was approved unanimously.

Item No.3: Any other matter with the permission of Chair'  
Resolution: Hon'ble Principal directed the Coordinator to start admissions for the students after Diwali Vacation'

As there was no other matter to discuss, the meeting was concluded with vote of thanks by the coordinator of the course.

Name

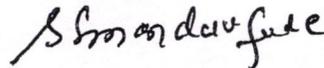
Signature

1) Hon'ble Dr. Pravin Charde

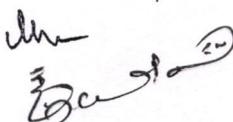


2) Dr. A. P. Lambat

3) Prof. Dr. S. S. Mandavgade



4) Mr. N. A. Khandekar



5) Dr. T. S. Madankar

*N. A. Khandekar*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research- (Research Academy)  
Sakkardara Chowk Umtr Road Nagpur-440024

Date — 02/01/2024

## NOTICE

All the members of the Department of Music are hereby informed that the meeting regarding the Certificate Course in 'Light Music' has been scheduled on 5<sup>th</sup> January 2024 at 11.00 am at the Hon'ble Principal's Chamber'

Hon'ble Principal will chair the meeting in presence of 'Dr. A. P. Lambat' NAAC Coordinator.

Agenda of the meeting :

- 1) To Review progress of framing syllabus of Light Music.
- 2) Any other matter with the permission of the chair.

*Shubhada Mandavgade*

Prof. Dr. Shubhada Mandavgade  
Course Coordinator  
Light Music

*NA Noble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



**Sevadal Mahila Mahavidyalaya**  
**Light Music Certificate Course**  
**Examination 2023-2024**

Note : 1) All question are compulsory  
2) All question carry equal marks

Total Marks: 40

- Qu 1) Write in short about Desi Sangeet and Margi Sangeet (08)
- Qu 2) Write the introduction of Raag and Thaata write there rules (08)
- Qu 3) Complete the following Alankars (Any Two) (08)
- i) SaRe ; ReGa.....
  - ii) SaMa; RePa.....
  - iii) SaReGaSa ; ReGaMaRe.....
- Qu 4) Write in short (Any Two) (08)
- i) Taal Trital
  - ii) Taal Dadra
  - iii) Taal Rupak
  - iv) Taal Zaptal
  - v) Taal Ektaal
- Qu 5) Write the definition in short (Any Two) (08)
- i) Petriotic Song
  - ii) Abhang
  - iii) Bhavgeet
  - iv) Ghazal

*NAUBT*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



**Sevadal Mahila Mahavidyalaya, Nagpur**  
**Department of Music**  
**Certificate In Light Music Course Students List 2023-2024**  
**Mark List**

SR.NO.	Students Name	Class	Theory Marks	Practical Marks	Total
1	Aankansha A Rawale	BA -- I	33	44	77
2	Aankasha N.Kadu	BA -- I	34	42	76
3	Aarti B. Thakre	BA -- I	32	50	82
4	Anushree D.Neware	BA--I	30	50	80
5	Bhumeshwari D.Shendre	BA--I	34	48	82
6	Jaya C.Sakharkar	BA--I	32	52	84
7	Mohini V.Rakhunde	BA--I	34	50	84
8	Palak H.Dhakne	BA--I	35	52	87
9	Pranali G.Kaurate	BA--I	32	52	84
10	Payal P.Kale	BA--I	30	54	84
11	Payal V.Kubde	BA--I	30	50	80
12	Payal V.Shivankar	BA--I	32	48	80
13	Pratibha L.Mahule	BA--I	33	44	77
14	Ritika V.Somnathe	BA--I	32	50	82
15	Roshni R.Borkar	BA--I	30	52	82
16	Snehal S.Bante	BA--I	32	50	82
17	Sangita M.Bhisikar	BA--I	34	52	86
18	Shital N.Dadmal	BA--I	30	50	80
19	Saloni M.Sawalakhe	BA--I	32	50	82
20	Shreya D.Vekhande	BA--I	34	52	86
21	Shruti R.Salote	BA--I	32	50	82
22	Vaishali P.Hajare	BA--I	32	52	84
23	Yogini Y.Girde	BA--I	30	50	80
24	Nandini R.Kalbande	BSC- I	34	48	82
25	Suhani S.Lonare	BSC- I	32	52	84
26	Ishika B.Waghmare	BA-- II	32	50	82
27	Kanchan A.Kamble	BA-- II	30	52	82
28	Sanjana M.Iraskar	BA-- II	34	50	84
29	Mahek S.Pathan	BA-- III	32	54	86
30	Nishika N.Rangari	BA-- III	35	58	93
31	Nandini N.Sawalakhe	BA-- III	32	54	86
32	Prajakta S.Sarangpure	BA-- III	34	55	89
33	Pratiksha R.Kale	BA-- III	30	52	82

Total Student Appeared =33  
Total Student Present =33  
Total Student Result =100%

Dr.Shubhada S.Mandavgade  
Mr.N.A.Khandekar  
Dr.Thadeshwar S.Madankar

*N. Rawale*  
Office In-charge  
Sevadal Mahila Mahavidyalaya  
Nagpur.



## Certificate Course in Light Music

Certificate course in Light Music was introduced in the college by Department of Music from the academic session 2023-24. It is designed to apprise the students about the classical and light music.

In the session 2023-24, new batch was enrolled for the "certificate course in Light Music". Total 33 (Thirty Three) students were admitted to the course. Accordingly, course was conducted from 1<sup>st</sup> February 2024 to 29<sup>th</sup> February 2024. Examination was conducted on 25<sup>th</sup> April, 2024. Subsequently, the certificates were distributed among the enrolled students.

*Somen dat Gade*  
**Prof. Mrs. S S Mandaogade**  
HOD, Music  
Sevadal Mahila Mv, Nagpur

*Mauoble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.





sevadal shikshan santha's  
**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**

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Place for higher learning and re3search (research academy)

# CERTIFICATE

This certificate is proudly presented to  
Ms.----- for  
participating in the **CERTIFICATE COURSE** on  
**"LIGHT MUSIC"** organised by department of  
Music, Sevadal Mahila Mahavidyalaya, Nagpur.

*S.S.M*

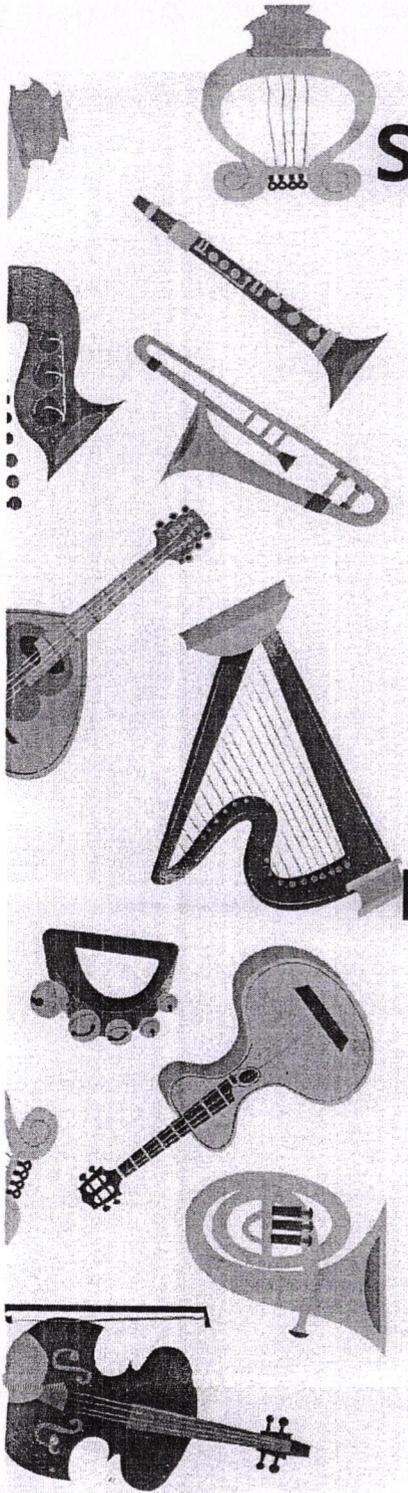
Prof. S.S. Mandavgade  
HOD Music

*N.S.D*

Prof. N.S. Dhoble  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur



*N.S.D*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.





# Sevalal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkaradara Square, Umrer Road, Nagpur -440024

E-mail : [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)

Website: [www.sevalalmahilamahavidyalaya.ac.in](http://www.sevalalmahilamahavidyalaya.ac.in)

## Certificate Course

in

## HUMAN RIGHTS AND VALUES IN EDUCATION

Department of Political Science

*N. S. Wable*

Off. Principal

Sevalal Mahila Mahavidyalaya  
Nagpur.



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# Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

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Date : 02.01.2024

## NOTICE

Faculty member of the Department of Political Science is hereby informed that the meeting regarding the certificate course in **Human Rights and Values in Education** has been scheduled on 05/01/ 24 at 11.00 a.m. in the Hon'ble Principal's Chamber.

Hon'ble Principal will chair the meeting in presence of Dr. A. P. Lambat, NAAC Coordinator.

### Agenda of the meeting:

- 1) To commence the certificate course in Human Rights and Values in Education.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.



(Prof. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur

Copy to:

Dr. A.P.Lambat, NAAC Coordinator

Dr. Reeta Dhandekar, Head, Deptt. of Political Science

*Nausb!*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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# **Sevadal Mahila Mahavidyalaya**

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

**Minutes of the Meeting Dated 05/01/2024**

## **Certificate Course in Human Rights And Values in Education**

The meeting regarding the Certificate Course in **Human Rights And Values in Education** was held on 5<sup>th</sup> January 2024 at 11.00 a.m. in the Hon'ble Principal's Chamber. Hon'ble Principal of the college presided over the meeting.

### **Agenda of the meeting:-**

1. To commence the certificate course in Human rights and values in education.
2. To frame the syllabus of the course.
3. In other matter with the permission of the chair.

### **Following members were present,**

- |                                   |                    |
|-----------------------------------|--------------------|
| 1. Prof. Pravin Charde, Principal | Chairman           |
| 2. Dr. A. P. Lambat               | IQAC Coordinator   |
| 3. Dr. (Mrs.) Reeta Dhandekar     | Course Coordinator |

Dr. (Mrs.) Reeta Dhandekar, Course Coordinator acted as Secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with permission of the Chairperson. The Coordinator read out the agenda of the meeting and sub sequentially discussed the matter.

Item No.1 : To commence the Certificate Course in **Human Rights And Values in Education**.

Resolution : Unanimously it was decided to commence the certificate course in **Human Rights And Values in Education** from the session 2023 -2024.



*Reeta Dhandekar*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

Item No.2: To frame the syllabus of the course.  
Resolution: Honourable Principal expressed his views regarding the framing of the course syllabus and asked Dr. Dhandekar madam to prepare the syllabus of the certificate.

Item No.3. In other matter with the permission of the chair.  
Resolution:- As there was no other matter to discuss the coordinator sum up the meeting by expressing thanks for everyone's gracious attendance.

Name

Signature

1. Prof. Pravin Charde, Principal



2. Dr. A. P. Lambat



3. Dr. (Mrs.) Reeta Dhandekar



Nandole

# Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur - 440 024

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## Certificate Course in HUMAN RIGHTS AND VALUES IN EDUCATION

### Course Rationale:

Human rights are commonly understood as “inalienable fundamental rights to which a person is inherently entitled simply because she or he is a human being.” Human rights are universal it means that everyone deserves to be treated with dignity and respect, no matter where they live or what their circumstance may be. Human rights are inherent to all human beings irrespective of our nationality, place of residence, sex, national or ethnic origin, colour, religion, language or any other status. We are equally entitled to our human rights without discrimination. Universal Human rights are often expressed and guaranteed by law, in the forms of treaties, customary international law, general principle and other sources of international law. International human rights laws lay down obligations of government to act in certain ways or to refrain from certain acts, in order to promote human rights and fundamental freedoms of individuals or groups.

The situation of human rights in India is complex one, as a result of the country’s large size and tremendous diversity. It’s status as a developing country and a sovereign, secular, democratic republic and its history as a former colonial territory. The principle of Fundamental rights is enshrined in the Constitution of India which bestows upon the citizens the freedom of religion and the freedom of speech.

This certificate course in Human rights and Values in Education aims at creating the awareness among the students and make them aware about the basic human rights and values to strengthen the Human rights in society.



*Nawblf*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

## **Aims:**

- To promote human rights for all without any discrimination of race, religion, caste, colour, sex and language.
- To strengthen the culture of human rights for security and peace in society.
- To develop an understanding of human rights in national and global context.
- To understand the human rights issues in our society.

## **Objectives**

1. To create an awareness about human rights among the students.
2. To educate students about the fundamental rights and duties as a citizen.
3. To educate the students about the rights of deprived sections of society.
4. To understand the importance of values.

### **Course Duration**

Three Months

### **Course Strength**

The course will admit only 30 students at a time.

### **Course features**

1. Total 30 lectures
2. Each lecture of 50 minutes
3. Two/three lectures in a week

### **Assessment Scheme**

1. Internal assessment (oral and written examination)
2. Written examination carrying 80 marks
3. Internal examination carrying 20 marks



*Nawble*  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

## Syllabus

### **Unit 1 Human Rights – A Conceptual Analysis 25 M**

1. The Concept of Human rights : Meaning & Nature of human rights
2. Historical origin & development
3. U.N. declaration of human Rights

### **Unit 2 Human Rights & Indian Constitution 25 M**

1. Fundamental Rights & Duties in Indian Constitution
2. Directive Principles of State Policy & Human Rights
3. Institution of Human Rights in India

### **Unit 3 Human Rights of Marginalized Group 25 M**

1. Human Rights of Dalits
2. Human Rights of Adivasis
3. Human Rights of Woman
4. Human Rights of minorities & unorganized workers

### **Unit 4 Values in Education 25 M**

1. Need of Value Based Education
2. Classification of Values: Moral, Ethical, Social, Political Values



*Nawabir*  
Off. Principal  
Sevadai Mahila Mahavidyalaya  
Nagpur.

## **Course Outcomes :**

This proposed certificate course in Human Rights & Values in Education aims to enable students to create awareness, conviction and commitment to values for improving the quality of life. The course is developed around a number of basic things within the area of human rights and values.

This proposed certificate course in Human Rights and Values in Education will endeavour to achieve following outcomes:

- It will create awareness among the learners about the evolution and development of Human Rights.
- It will help the learners to acquire conceptual clarity and develop respect for human rights.
- It will give the learners the understanding about human rights at different levels.
- It will develop a sense of responsible citizen who is aware of his/her rights as well as duties enshrined in the Indian constitution.
- It will provide the capacity to identify issues and problems relating to human rights.
- It will develop the sense of human values, ethics and morality among the students.
- It will emphasize value-based behaviour and thinking process.



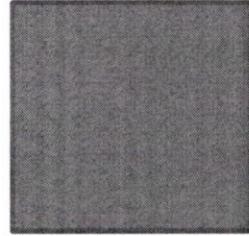
N. D. Doble

# Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur - 440 024

## Certificate Course in HUMAN RIGHTS AND VALUES IN EDUCATION

To,  
Course Coordinator,  
Sevadal Mahila Mahavidyalaya,  
Nagpur.



Sir/Madam,

I, Ms. \_\_\_\_\_ (in block letters)  
(Surname) (First name) (Father's name)

Class \_\_\_\_\_ Faculty \_\_\_\_\_

### PERSONAL DATA OF THE STUDENT (ALL IN BLOCK LETTERS)

1. Name : \_\_\_\_\_
2. Mother's Name : \_\_\_\_\_
3. Postal Address: \_\_\_\_\_
4. Mobile no. \_\_\_\_\_ What's App no.: \_\_\_\_\_
5. E-mail id: \_\_\_\_\_
6. Date Of Birth : \_\_\_\_\_
7. Aadhar No.: \_\_\_\_\_

Signature Of Parents/Gurdian

Signature of Students

Certificate Course in Human Rights and Values in Education



*Nawab*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

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# **Sevadal Mahila Mahavidyalaya**

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

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Date :- 20/01/2024

## **NOTICE**

All the students are hereby informed that the Certificate Course in **Human Rights And Values in Education** is going to conduct by the Department of Political Science to enhance the knowledge of the students about the fundamental Rights & duties, human rights, , rights of minorities and importance of values etc.

The interested students should contact Dr. Reeta Dhandekar, Head, Department of Political Science for admission before 27/01/2024.



**(Prof. Pravin Charde)**  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur



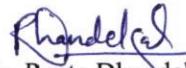
*Nawab*

CFO

Sevadal Mahila Mahavidyalaya  
Nagpur.

### Enrolled Student List 2023-24

Sr.No	Student Name	Class
1	Ms. Mohini A.Nandurkar	B.A.III
2	Ms.Shubhangi D. Marbate	B.A.III
3	Ms.Nidhi S. Kathe	B.A.III
4	Ms.Durga J. Naitam	B.A.III
5	Ms.Priyanka N Meshram	B.A.III
6	Ms.Ekta S. Gode	B.A.III
7	Ms.Saloni H Nanwatkar	B.A.III
8	Ms.Nishika N Rangari	B.A.III
9	Ms.Drushti S. Nerikar	B.A.III
10	Ms.Nandini M Sawalakhe	B.A.III
11	Ms.Vaishnavi I Dadaml	B.A.III
12	Ms.Mehak R. Pathan	B.A.III
13	Ms.Prajakta S. Barai	B.A.III
14	Ms.Prajakta S Sarangpure	B.A.III
15	Ms.Samiksha P Panchbhai	B.A.III
16	Ms.Krutika N. Titarmare	B.A.III
17	Ms.Sonu S. Kumbhalkar	B.A.III
18	Ms.Rupali L. Shahu	B.A.III
19	Ms.Pratima V Haware	B.A.III
20	Ms.Minal A. Ganvir	B.A.III
21	Ms.Pratiksha P.Panchbhai	B.A.III
22	Ms.Shruti R. Shinde	B.A.III
23	Ms.Ruchika D. Umak	B.A.III
24	Ms.Komal G. Raipurkar	B.A.III
25	Ms.Sakshi D. Jangade	B.A.III

  
Dr. Reeta Dhandekar  
Course coordinator



  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
NAGPUR.

**Certificate Course**  
**in**  
**HUMAN RIGHTS AND VALUES IN EDUCATION**  
Duration: 3 months (February 2024 – April 2024)

**Time Table – 2023-24 Batch**

**February 2023-24**

Date	Day	Time	Name of Counsellor
03/02/24	Saturday	12.30 – 1.20 pm	Dr. Reeta Dhandekar
05/02/24	Monday	12.30 – 1.20	Dr. Reeta Dhandekar
06/02/24	Tuesday	12.30 – 1.20	Dr. Reeta Dhandekar
12/02/24	Monday	12.30 – 1.20	Dr. Reeta Dhandekar
13/02/24	Tuesday	12.30 – 1.20	Dr. Reeta Dhandekar
14/02/24	Wednesday	12.30 – 1.20	Dr. Reeta Dhandekar
21/02/24	Wednesday	12.30 – 1.20	Dr. Reeta Dhandekar
22/02/24	Thursday	12.30 – 1.20	Dr. Reeta Dhandekar
27/02/24	Tuesday	12.30 – 1.20	Dr. Reeta Dhandekar
28/02/24	Wednesday	12.30 – 1.20	Dr. Reeta Dhandekar

**March 2023-24**

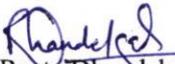
Date	Day	Time	Name of Counsellor
05/03/24	Tuesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
09/03/24	Saturday	12.30- 1.20 pm	Dr. Reeta Dhandekar
12/03/24	Tuesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
13/03/24	Wednesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
16/03/24	Saturday	12.30- 1.20 pm	Dr. Reeta Dhandekar
19/03/24	Tuesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
20/03/24	Wednesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
23/03/24	Saturday	12.30- 1.20 pm	Dr.Kavita Mate
26/03/24	Tuesday	12.30- 1.20 pm	Dr.Ujwala Mokadam
27/03/24	Wednesday	12.30- 1.20 pm	Dr. Reeta Dhandekar



*Handwritten signature:* N. Ujwala  
*Handwritten text:* Off. Mahila Mahavidyalaya  
Sevadal Ma. Sevadal

## April 2023-24

Date	Day	Time	Name of Counsellor
01/04/24	Monday	12.30- 1.20 pm	Dr. Reeta Dhandekar
02/04/24	Tuesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
03/04/24	Wednesday	12.30- 1.20 pm	Dr.Ujwala Mokadam
06/04/24	Saturday	12.30- 1.20 pm	Dr.Kavita Mate
08/04/24	Monday	12.30- 1.20 pm	Dr. Reeta Dhandekar
16/04/24	Tuesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
22/04/24	Tuesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
23/04/24	Wednesday	12.30- 1.20 pm	Dr. Reeta Dhandekar
24/04/24	Thursday	12.30- 1.20 pm	Dr. Reeta Dhandekar
27/04/24	Saturday	12.30- 1.20 pm	Dr. Reeta Dhandekar

  
Dr. Reeta Dhandekar  
Course Coordinator

  
Prof. Nirupama Dhoble  
Officiating Principal



  
Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.

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# **Sevadal Mahila Mahavidyalaya**

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

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Date :- 22/04/2024

## **NOTICE**

All the students of Certificate Course in **Human Rights And Values in Education** are hereby informed that the Internal Written and Oral Examination will be held on Date 27/04/24 at 11.00am in room no 110.

*N.S. Dhoble*

**(Prof. Mrs. N. S. Dhoble)**  
Off. Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur



*N.S. Dhoble*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkaradara Square, Umrer Road, Nagpur -440024

## Department of Political Science

Certificate Course In Human Rights And Values In Education  
Question Paper 2023-24

Marks-80

Time – 1 ½ Hour

Each Question Carry Equal Marks.

All Questions Are Compulsory.

प्रश्न 1. खालीलपैकी कोणत्याही चार प्रश्नांची उत्तरे लिहा.

40

1. मानव अधिकाराचा अर्थ स्पष्ट करून, मानव अधिकाराचे स्वरूप स्पष्ट करा.
2. मानव अधिकारांची वैशिष्ट्ये स्पष्ट करा.
3. मानव अधिकारांचे महत्त्व स्पष्ट करा.
4. संयुक्त राष्ट्रसंघाच्या जागतिक मानवी मानव अधिकारनांच्या तरतुदी स्पष्ट करा.
5. भारतातील मानवी हक्क अधिकार संरक्षण कार्यप्रणाली स्पष्ट करा.

प्रश्न 2. टिपा लिहा (कोणतेही दोन)

20

- 1) राष्ट्रीय मानवी आयोग
- 2) राज्य मानवी हक्क आयोग
- 3) मानवी हक्क संरक्षणासाठी च्या उपाययोजना

प्रश्न 3. रिकाम्या जागा सोडवा

30

संयुक्त राष्ट्रसंघाद्वारे मानवी हक्कांची घोषणा ..... रोजी करण्यात आली .

- 1) 10 डिसेंबर 1946
- 2) 10 डिसेंबर 1947
- 3) 10 डिसेंबर 1948
- 4) यापैकी नाही

2. भारतात मानवी हक्क आयोगाची स्थापना ..... मध्ये झाली.

- 1) 1920
- 2) 1948
- 3) 1933
- 4) 1980

3. जीवन जगण्याचा अधिकार..... अधिकार होय.

- 1) नैसर्गिक
- 2) कायदेशीर
- 3) मूलभूत
- 4) यापैकी नाही

4) मानव अधिकाराचे स्वरूप..... आहे.

- 1) देशापुरते
- 2) राज्यापुरते
- 3) सार्वत्रिक
- 4) यापैकी नाही



*Handwritten signature*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

5. मानव अधिकार काळानुसार..... असतात.

- |               |            |
|---------------|------------|
| 1)स्थितीनुसार | 2)मर्यादित |
| 3)परिवर्तनशील | 4)स्थायी   |

7.मानव अधिकार हे जगातील.... नागरिकांना मिळतात .

- |                |         |
|----------------|---------|
| 1)श्रीमंत      | 2)गरीब  |
| 3) मध्यमवर्गीय | 4) सर्व |

8.भारतात मानव अधिकार संरक्षण कायदा..... वर्षी करण्यात आला.

- |         |        |
|---------|--------|
| 1) 1990 | 2)1948 |
| 3) 1950 | 4)1993 |

9.महाराष्ट्र राज्य मानव हक्क आयोगाची स्थापना .....करण्यात आली.

- |                 |                |
|-----------------|----------------|
| 1) 6 मार्च 2001 | 2)12मार्च 2001 |
| 3)9 एप्रिल 2001 | 4)यापैकी नाही  |

10.महाराष्ट्र राज्य मानव अधिकार आयोगात एकूण..... सदस्य असतात.

- |        |       |
|--------|-------|
| 1) सहा | 2)पाच |
| 3)तीन  | 4)सात |

11. राष्ट्रीय मानवाधिकार आयोगात एकूण.....सदस्य असतात .

- |      |       |
|------|-------|
| 1)10 | 2)12  |
| 3)9  | 4) 11 |

12.राष्ट्रीय मानवी हक्क आयोगाचे मुख्यालय..... येथे आहे.

- |            |           |
|------------|-----------|
| 1) मुंबई   | 2) दिल्ली |
| 3)कोलकत्ता | 4) चंदीगड |

13.....हे राष्ट्रीय मानव अधिकार आयोगाचे अध्यक्ष निवृत्त सरन्यायाधीश असतात.

- |                                    |               |
|------------------------------------|---------------|
| 1) पंतप्रधान                       | 2)राष्ट्रपती  |
| 3)सर्वोच्च न्यायालयाचा सरन्यायाधीश | 4)यापैकी नाही |

14.राष्ट्रीय मानव अधिकार आयोगाच्या अध्यक्षाचा कार्यकाळ..... असतो.

- |        |               |
|--------|---------------|
| 1) तीन | 2) पाच        |
| 3)चार  | 4)यापैकी नाही |

15.सध्या स्थितीत भारताच्या मानव अधिकार अध्यक्ष .....हे आहे.

- |                      |                 |
|----------------------|-----------------|
| 1) अरुण कुमार मिश्रा | 2)रंगनाथ मिश्रा |
| 3) पी.सी.पंथ         | 4) यापैकी नाही  |



*Nawble*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.



SEVADAL SHIKSHAN SANSTHA'S  
 NAAC RE-ACCREDITED WITH 'A' GRADE  
**SEVADAL MAHILA MAHAVIDYALAYA**  
**& RESEARCH ACADEMY**

Sakkardara Square, Umrer Road, Nagpur-24

Human Rights & Values in Education

Attendance for the

Month of .....

Total Lectures/  
Practical engaged

Roll No.	NAME	3/2/24	5/2/24	6/2/24	14/2/24	13/2/24	14/2/24	21/2/24	22/2/24	27/2/24	28/2/24	5/3/24	9/3/24	12/3/24	13/3/24	16/3/24	19/3/24	20/3/24	23/3/24	26/3/24	27/3/24	1/4/24	2/4/24	3/4/24	6/4/24	8/4/24	16/4/24	22/4/24	23/4/24	24/4/24	27/4/24	Total No. of Lectures/ Practical attended	
	Human Rights Certificate Course																																
1)	Anushka Deogade	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	26	
2)	Doushti S. Nekar	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	26	
3)	Durga J. Naitam	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	26	
4)	Ekta S. Gode	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	26	
5)	Komal G. Raipurkar	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	26	
6)	Kaushika N. Titumare	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	26	
7)	Mehak S. Pathan	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	26	
8)	Minal A. Ganvir	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	26	
9)	Mohini A. Nandurkar	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	26	
10)	Nandini M. Sawalathe	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	26	
11)	Prajakta N. Barai	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	26	
12)	Prajakta S. Sarangpure	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	26	
13)	Priyanka N. Meshram	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	26	
14)	Ruchika D. Umak	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	26	
15)	Saloni M. Namwarkar	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	26	
16)	Samiksha R. Chakradhore	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	26	
17)	Samiksha P. Panchbhai	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	26	
18)	Sorvi S. Kumbhalkar	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	26	
19)	Shruti R. Shinde	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	26	
20)	Vaishnavi I. Dadmal	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	26	
21)	Nidhi S. Kathe	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	26	
22)	Kalpna Uikye	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	26	
23)	Poatima Hawse	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	26	
24)	Nishika N. Rangani	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	26	
25)	Poatiksha P. Panchbhai	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	26	

*[Signature]*  
 Head  
 Department of Political Science  
 Sevadal Mahila Mahavidyalaya, Nagpur

*[Signature]*  
 Off. Principal  
 Sevadal Mahila Mahavidyalaya  
 Nagpur.

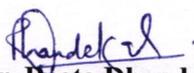


*[Signature]*  
 Off. Principal  
 Sevadal Mahila Mahavidyalaya  
 Nagpur.

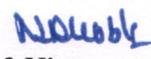
**Sevadal Mahila Mahavidyalaya**  
Sakkardara Square, Umrer Road, Nagpur -440024

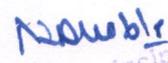
**Department of Political Science**  
**Certificate Course in Human Rights and Values in Education**  
**Marksheet 2023-24**

Sr.No	Student Name	Class	Theory (80)	Oral (20)	Total (100)	Result
1	Ms. Mohini A.Nandurkar	B.A.III	62	18	80	Pass
2	Ms.Shubhangi D. Marbate	B.A.III	59	16	65	Pass
3	Ms.Nidhi S. Kathe	B.A.III	71	17	88	Pass
4	Ms.Durga J. Naitam	B.A.III	54	18	72	Pass
5	Ms.Priyanka N Meshram	B.A.III	57	17	74	Pass
6	Ms.Ekta S. Gode	B.A.III	66	18	84	Pass
7	Ms.Saloni H Nanwatkar	B.A.III	51	16	67	Pass
8	Ms.Nishika N Rangari	B.A.III	63	19	82	Pass
9	Ms.Drushti S. Nerikar	B.A.III	60	17	77	Pass
10	Ms.Nandini M sawalakhe	B.A.III	53	19	72	Pass
11	Ms.Vaishnavi I Dadaml	B.A.III	60	17	77	Pass
12	Ms.Mehak R. Pathan	B.A.III	66	18	84	Pass
13	Ms.Prajakta S. Barai	B.A.III	65	16	81	Pass
14	Ms.Prajakta S Sarangpure	B.A.III	61	17	78	Pass
15	Ms.Samiksha P Panchbhai	B.A.III	63	16	79	Pass
16	Ms.Krutika N. Titarmare	B.A.III	51	17	68	Pass
17	Ms.Sonu S. Kumbhalkar	B.A.III	71	16	87	Pass
18	Ms.Rupali L. Shahu	B.A.III	57	18	75	Pass
19	Ms.Pratima V Haware	B.A.III	54	14	68	Pass
20	Ms.Minal A. Ganvir	B.A.III	59	18	77	Pass
21	Ms.Pratiksha P.Panchbhai	B.A.III	61	16	77	Pass
22	Ms.Shruti R. Shinde	B.A.III	59	17	76	Pass
23	Ms.Ruchika D. Umak	B.A.III	56	16	72	Pass
24	Ms.Komal G. Raipurkar	B.A.III	58	17	75	Pass
25	Ms.Sakshi D. Jangade	B.A.III	59	15	74	Pass

  
**Dr. Reeta Dhandekar**  
Course Coordinator



  
**Prof. Nirupama Dhoble**  
Officiating Principal

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



Sevalal Shikshan Sanstha's  
NAAC RE-ACCREDITED WITH 'A' GRADE

## Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

### Certificate of Completion

This certificate is awarded to

*Ms. Mehak Pathan*

she has successfully completed the Certificate Course in  
*"Human Rights and Values in Education"*  
conducted by the Department of Political Science.

Date : 30/04/2024

*Dr. Reeta Dhandekar*  
Dr. Reeta Dhandekar  
Course Coordinator

*Prof. (Mrs.) Nirupama S. Dhoble*  
Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur



Sevalal Mahila Mahavidyalaya  
Nagpur.  
Off. Principal  
*Nirupama S. Dhoble*



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# Sevalal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440 024

E-mail: [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)

Website: [www.sevalalmahilamahavidyalaya.ac.in](http://www.sevalalmahilamahavidyalaya.ac.in)

## Hindustani Music & Performing Arts

**Certificate Course in Music**

**Department of Music**

**2023-2024**

*N. K. Kulkarni*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.



*Received  
S. R. KADLE  
30/04/24*

To,  
**The Principal,**  
**Sevadal Mahila Mahavidyalaya,**  
**Nagpur.**

Subject :- Submission of course syllabus of '**Hindustani Music & Performing Arts**'

Reference :- Your letter on Dated – 3<sup>rd</sup> August 2023.

Respected Sir,

With reference to your letter dated 03/08/2023, we, at the department of Music (Faculty of Arts) fill very happy to design syllabus of the course '**Hindustani Music & Performing Arts**' for the students of B.A. I, B.A. II, B.A. III, Year of Sevadal Mahila Mahavidyalaya, Nagpur.

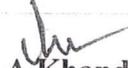
The purpose syllabus aim to impart an Entrepreneurial Training to the students and the enable them for the better singing opportunities. This present skill base course in Light Music will play a pivotal role in busting their economical status.

I, hereby, request you to endorse the design syllabus for if you find any discrepancy, please convey the same. Only after your approval, the next level of planning to commence the course would prepared.

Thanking you.

With regards,

Date :- 07/09/2023

1)   
**N.A. Khandekar**  
Course Coordinator

2)   
**Dr. T.S. Madankar**  
Course Coordinator

  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.



**Programme Outcome:-**

These Programme Outcomes align with the educational goals of preparing students to become well-rounded musicians and artists in the realm of Hindustani classical music and performing arts, both as performers and scholars.

- Develop proficiency in classical vocal and instrumental techniques, understanding complex ragas, talas, and musical compositions.
- Analyze and appreciate the works of great maestros and recognize the evolution of various gharanas (schools) in Hindustani music.
- Develop performance readiness, stage confidence, and the ability to present solo and group performances of classical Hindustani music or related performing arts with a professional level of expertise.
- Equip students with the ability to conduct research in the field of Hindustani music and performing arts, contributing to the academic and practical knowledge base of these fields.

*N. D. Quobke*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



### **Aims & Objective :-**

This holistic approach equips college students with both the theoretical knowledge and practical skills needed to excel in Hindustani music and performing arts, fostering a balance between tradition and innovation.

### **Aims:**

1. **Deepen Knowledge of Hindustani Music:** Develop a strong foundation in the theoretical and historical aspects of Hindustani classical music, including ragas, talas, and different gharanas (schools of music).
2. **Enhance Performance Skills:** Cultivate the technical and aesthetic skills required for vocal or instrumental performance in Hindustani classical music through rigorous practice and training.
3. **Performance Opportunities:** Provide platforms and opportunities for students to perform in front of audiences to build confidence and stage presence.

### **Objectives:**

1. **Mastery of Ragas and Talas:** Students will learn and demonstrate proficiency in a wide range of ragas (melodic frameworks) and talas (rhythmic cycles), along with their unique characteristics and moods.
2. **Critical Listening and Analysis:** Students will be trained to critically listen to classical performances, identify key elements, and analyze compositions.
3. **Career Development in Music:** Prepare students for various careers in music such as performers, teachers, researchers, composers, or music critics.

*N. D. Sable*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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**SEVADAL MAHILA MAHAVIDYALAYA**  
Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

## SYLLABUS

### Certificate Course in Music- 'Hindustani Music & Performing Arts'

#### Objectives :

- To prepare the participants/beneficiaries for effective Learning Music.
- To enable participants' listening, reading, Singing skills.
- To prepare the participants to Sing and able to performance skill.
- To provide personality development training through singing role play, group presentation, etc.

#### **Course Feature:**

- 1) Total 30 Lectures
- 2) Each lecture of 50 minutes
- 3) Two lectures in a week
- 4) Internal Assessment (Oral & Written Examination)
- 5) Music Theory & Viva – 40 Marks
- 6) Practical Examination – 60 Marks

**Unit 1:** The Students will be required to study Basic the knowledge of Alankar (Shuddha & Vikrut Swar , Palta. Sargamgeet. Lakshangeet) (20M)

**Unit 2:** The Students will be required to study knowledge of rag & thaata and swarsaptak. Khyal gayan its their rules. (20M)

- 1) Yaman
- 2) Kafi
- 3) Asawari
- 4) bilawal
- 5) Bhairavi

**Unit 3:** Study of the following Talas with Dugun & Chougun (20M)

- 1) Dadra
- 2) Rupak
- 3) Kehrava

*Nawab*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



4) Zaptal

5) Ektal

6) Trital

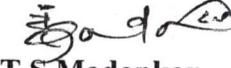
**Unit 4:** Introduction of Light Music

(20M)

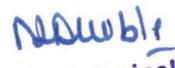
Practical - University Song, Patriotic Song , Abhang ,Bhavgeet , Ghazal, Tarana, Thumri, Tappa, (Light Music )

**Internal Assessment: Practical viva** Oral and Written Examination

  
**N.A. Khandekar**  
Course Coordinator

  
**Dr. T.S. Madankar**  
Course Coordinator

\*\*\*\*\*

  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.



SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR

MUSIC COURSE

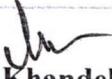
DEPARTMENT OF MUSIC

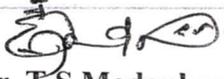
TIME TABLE- 2023-2024

DAY	11.40 TO 12.30	12.30 TO 1.20	1.20 TO 2.10
FRIDAY	THEORY	PRACTICAL	PRACTICAL
SATURDAY	THEORY	PRACTICAL	PRACTICAL

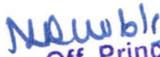
NAME OF THE TEACHING STAFF –

- 1) Mr.N.A.Khandekar
- 2) Dr. T.S. Madankar

  
N.A.Khandekar  
Course Coordinator

  
Dr. T.S.Madankar  
Course Coordinator

  
Dr. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya. Nagpur.

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

Date : 20.12.2023

## NOTICE

All the members of the Department of Music are hereby informed that the meeting regarding the Certificate Course in '**Hindustani Music & Performing Arts**' has been scheduled on 3<sup>rd</sup> January 2024 at 11.00 am at the Hon'ble Principal's Chamber' Hon'ble Principal will chair the meeting in presence of 'Dr. A. P. Lambat' NAAC Coordinator.

Agenda of the meeting :

- 1) To Review progress of framing syllabus of 'Hindustani Music & Performing Arts'
- 2) Any other matter with the permission of the chair.

  
N.A.Khandekar  
Course Coordinator

  
Dr. T.S.Madankar  
Course Coordinator

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



NAAC RE-ACCREDITED WITH 'A' GRADE  
**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Minutes of the Meeting dated 03/01/2024 .

Certificate Course in -'Hindustani Music & Performing Arts'

The meeting regarding the Certificate Course in ' held on 03/01/2024 at 11.00 am in the Hon'ble Principal's Chamber' Hon'ble Principal Sir presided over the meeting.

**Agenda of the meeting:-**

- 1) To Review progress of framing syllabus of -'Hindustani Music & Performing Arts'
- 2) Any other matter with the permission of the chair.

**Following Members were Present :-**

- |                       |                    |
|-----------------------|--------------------|
| 1) Dr. Pravin Charde, | Chairman           |
| 2) Dr.. Ashish Lambat | IQAC Coordinator   |
| 3) N.A. Khandekar     | Course Coordinator |
| 4) Dr. T.S. Madankar  | Course Coordinator |

N.A. Khandekar & Dr. T.S. Madankar (Course Coordinator) acted as secretary in the meeting' The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The coordinator read out the agenda of the meeting and subsequently discussed the matter'

Item No.1: To review the progress of framing the syllabus of -'Hindustani Music & Performing Arts'. Resolution: course coordinator tabled the newly framed syllabus of certificate Course in -'Hindustani Music & Performing Arts' After through discussion it was approved unanimously.

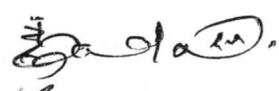
Item No.2: Any other matter with the permission of Chair'

Resolution: Hon'ble Principal directed the Coordinator to start admissions for the students after Winter Vacation'

*N.A. Khandekar*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



As there was no other matter to discuss, the meeting was concluded with vote of thanks by the coordinator of the course.

Name	Signature
1) Hon'ble Dr. Pravin Charde	
2) Dr. A. P. Lambat	
3) Mr. N. A. Khandekar	
4) Dr. T. S. Madankar	
5) Prof. S.S. Mandavgade	

*Noble*  
Dr. Pravin Charde  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

Date : 11.01.2024

## NOTICE

All the students are hereby informed that the Certificate Course in -'**Hindustani Music & Performing Arts**' run by Department of Music is designed to apprise the students about the classical and light music. Interested students should contact following teachers for admission on or before 16<sup>th</sup> January, 2024.

- 1) Mr. N A Khandekar
- 2) Dr. T S Madankar
- 3) Prof. S. S. Mandavgade, (Head Department of Music)



**Prof. Pravin Charde**  
Principal  
Sevadal Mahila Mv, Nagpur

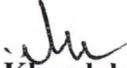
*N.A. Charde*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

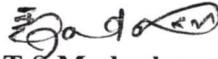


## Certificate Course in 'Hindustani Music & Performing Arts'

Certificate course in 'Hindustani Music & Performing Arts' was introduced in the college by Department of Music from the academic session 2023-24. It is designed to apprise the students about the classical and light music.

In the session 2023-24, new batch was enrolled for the "certificate course in 'Hindustani Music & Performing Arts' Total 25 (Twenty five) students were admitted to the course. Accordingly, course was conducted from 1<sup>st</sup> February 2024 to 30<sup>th</sup> April 2024. Examination was conducted on 16<sup>th</sup> April, 2024. Subsequently, the certificates were distributed among the enrolled students.

  
N.A. Khandekar  
Course Coordinator

  
Dr. T.S. Madankar  
Course Coordinator

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



NAAC RE-ACCREDITED WITH 'A' GRADE  
**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Certificate Course in -'Hindustani Music & Performing Arts'

**Theory Examination (2023 – 2024)**

Note :- 1) All Questions are Compulsory.  
2) All Questions Carry equal marks.

Time – Two Hrs.

Total Marks :- 40

- 
- |   |      |
|---|------|
| 1) Write in Short about Rag & Thaot         | (08) |
| 2) Write in Short Sargangeet & Lakshangeet  | (08) |
| 3) Write in Theoretical Description         | (08) |
| a) Rag Yaman                                |      |
| b) Rag Bhairavi                             |      |
| 4) Write in Short ( Any Two)                | (08) |
| a) Taal Dadra                               |      |
| b) Taal Ektal                               |      |
| c) Taal Rupak                               |      |
| d) Taal Trital                              |      |
| 5) Write the definition in short ( Any Two) | (08) |
| a) Abhang                                   |      |
| b) Bhavgeet                                 |      |
| c) Ghazal                                   |      |
| d) Tarana                                   |      |

*Nawabk*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Certificate Course in -'Hindustani Music & Performing Arts'

Students List (2023 – 2024)

Mark List

Sr. No	Students Name	Class	Theory Marks	Practical Marks	Total
1	Megha G. Ingale	B. A. I	32	44	76
2	Revati K. Kawale	B. A. I	30	43	73
3	Shraddha L. Welekar	B. A. I	35	50	85
4	Payal P. Kale	B. A. I	33	45	78
5	Sneha S. Narnaware	B. A. I	30	42	72
6	Princy P. Pandey	B. A. I	32	44	76
7	Arya P. Shingnapure	B.A. II	34	50	84
8	Harshita A. Shinde	B.A. II	35	52	87
9	Priyanka S. Mathankar	B.A. II	36	50	86
10	Muskan D. Raut	B.A. II	30	45	75
11	Sakshi A. Kashte	B.A. II	30	44	74
12	Chhaya R. Rahangdale	B.A. II	34	50	84
13	Vedika A. Sawsakde	B.A. II	34	45	79
14	Snehal A. Tidke	B.A. II	33	48	81
15	Snehal S. Shende	B.A. II	35	50	85
16	Shweta S. Moon	B.A. II	30	43	73
17	Sakshi N. Hanvate	B.A. II	35	50	85
18	Chetna S. Madavi	B.A. II	35	50	85
19	Ruksar P. Sheikh	B.A. II	33	45	78
20	Krutika N. Titarmare	B.A. III	30	44	74
21	Nidhi S. Kathe	B.A. III	32	46	78
22	Samiksha P. Panchbhai	B.A. III	30	43	73
23	Pratima V. Hawre	B.A. III	32	44	76
24	Pratiksha P. Panchbhai	B.A. III	34	45	79
25	Shruti R. Shinde	B.A. III	32	44	76

Total Students Appeared – 25

Total Student Present - 25

Total Students Result - 100 %

N A. Khandekar-

Dr. T.S. Madankar -

Prof. S.S. Mandavgade -

*Nalwale*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



NAAC RE ACCREDITED WITH 'A' GRADE

**SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR**  
PLACE FOR HIGHER LEARNING & RESEARCH ACADEMY

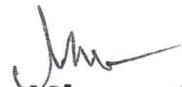
# CERTIFICATE

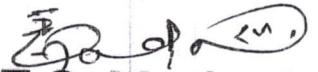


Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



This Certificate is Proudly Presented to  
Ms. \_\_\_\_\_ For Participating  
in the CERTIFICATE COURSE on 'Hindusthani Music &  
Performing Arts organised by Department of Music,  
Sevadal Mahila Mahavidyalaya, Nagpur

  
N.A. Khandekar  
Course Coordinator

  
Dr. T.S. Madankar  
Course Coordinator

Prof.( Mrs) N.S. Dhoble  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur



SEVADAL SHIKSHAN SANSTHA'S

NAAC RE-ACCREDITED WITH 'A' GRADE

**SEVADAL MAHILA MAHAVIDYALAYA**

**& RESEARCH ACADEMY**

Students list (2023-2024)

Sakkardara Square, Umrer Road, Nagpur-24

Attendance for the

Month of .....

Roll No	certificate course Hindustani Music and performing Arts	29-09-23	30-09-23	01-10-23	02-10-23	03-10-23	04-10-23	05-10-23	06-10-23	07-10-23	08-10-23	09-10-23	10-10-23	11-10-23	12-10-23	13-10-23	14-10-23	15-10-23	16-10-23	17-10-23	18-10-23	19-10-23	20-10-23	21-10-23	22-10-23	23-10-23	24-10-23	25-10-23
1)	Megha G. Ingale	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 K. Kawale	A	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)	Shraddha I. Welekar	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)	Papal P. Kale	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)	Sheha S. Morhale	P	A	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)	Princy P. Patil	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)	Arnya P. Shingnapur	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)	Harshita A. Shinde	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)	Prityanka S. Mathankar	A	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)	Muskan D. Raut	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)	Sakshi A. Kashite	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)	Chhaya R. Patil	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)	Veelika A. Sawarkar	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)	Shelal A. Tidke	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)	Shelal S. Shende	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
16)	Shweta S. Moon	P	A	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
17)	Sakshi N. Nannate	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
18)	Chetna S. Madavi	P	A	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
19)	Rupsar P. Shaikh	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
20)	Krutika N. Titumare	P	A	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
21)	Nidhi S. Kathe	A	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
22)	Samiksha P. Panchbhai	P	A	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
23)	Pratima Y. Harwar	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
24)	Pratisha P. Panchbhai	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
25)	Shruti R. Shinde	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

Name

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.





## **Sevadal Mahila Mahavidyalaya**

**Place for Higher Learning & Research (Research Academy)  
Sakkaradara Square, Umrer Road, Nagpur -440024  
E-mail : [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)  
Website: [www.sevadalmahilamahavidyaliya.ac.in](http://www.sevadalmahilamahavidyaliya.ac.in)**

### **Certificate Course in**

## **Gender Sensitization**

### **Department of Sociology**



*Nawobk*

**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

## Sevadai Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkaradara Square, Umrer Road, Nagpur -440024

E-mail : [sevamahilamv@gmail.com](mailto:sevamahilamv@gmail.com)

Website: [www.sevadalmahilamahavidyaliya.ac.in](http://www.sevadalmahilamahavidyaliya.ac.in)

### Certificate Course in Gender Sensitization

It is customary everywhere to classify the human community on the basis of sex into groups of men and women. The biological fact of sex has created much difference between them. The aim and objectives, desires and aspirations, duties and responsibilities, dress style and behavioural pattern, rules and status of men and women are different. Study of history of human society reveals that in no Society of the world have women enjoy absolute equality on par with men. Everywhere they were subjected to inequality, discrimination and exploitation.

Gender sensitization refers to the raising sensitization of gender equality concern. Gender sensitization make people understand the difference between sex and gender. How gender is socially constructed and the stereotypes around gender roles. Sensitization gives a clear and precise view about gender. The type of the status assign to women in any society reflex and the level of its civilizational standards.

The status according to women in society symbolises level of progress. With this mind, the certificate course curriculum attempts to address a large number of the above mention issue while keeping alive contemporary debates. We hope to impel learners to think analytically and critically about these matters, formulate informed opinions and search for their own answer and solutions to some of these questions.



*M. S. Wable*

Off. Principal  
Sevadai Mahila Mahavidyalaya  
Nagpur.

## Aims

- To help in changing the attitude & mindset of individuals
- To create awareness about elimination stereotype thinking.
- Help to increase the rational view about all gender.
- To increase the sensitivity to gender issues.

## Objectives

- To create gender awareness among the students.
- To educate the student about the status of women in patriarchy system.
- To aware the student about gender inequality.
- To inculcate the value of equality to all sexes.

## Course features

- Total 30 lectures
- Each lecture of 50 minutes
- Two / Three lecture in a week

## Assessment Scheme

- Internal assessment (oral and written examination)
- Written examination 80 marks
- Oral examination 20 marks



*Nawobk*

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Sevadai Mahila Mahavidyalaya  
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# Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

Date : 02.01.2024

## NOTICE

All the Members of the Department of Sociology are hereby inform that the meeting regarding the certificate course in '**Gender Sensitization**' has been scheduled on 02/01/ 24 at 11.00 a.m. in the Hon'ble Principal's Chamber.

Hon'ble Principal will chair the meeting in presence of Dr. A. P. Lambat, NAAC Coordinator.

### Agenda of the meeting :

- 1) To commence the certificate course in Gender Sensitization.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.



**(Prof. Pravin Charde)**

Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur



Copy to:

- 1) Dr. Kavita Mate, Course Coordinator, Gender Sensitization
- 2) Dr. Mrs. Ujwala Mokadam, Member, Gender Sensitization



*Nauable*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

NAAC RE-ACCREDITED WITH 'A' GRADE

# Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

**Minutes of the Meeting Dated 10/01/2024**

## ***Certificate Course in Gender Sensitization***

The meeting regarding the Certificate Course in **Gender Sensitization** was held on 10<sup>th</sup> January 2024 at 11.00 a.m. in the Hon'ble Principal's Chamber. Hon'ble Principal of the college presided over the meeting.

### **Agenda of the meeting:-**

1. To commence the certificate course in gender sensitization.
2. To frame the syllabus of the course.
3. In other matter with the permission of the chair.

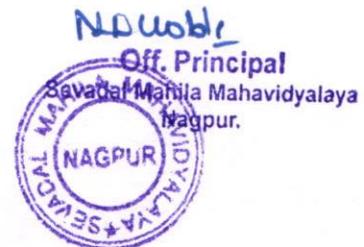
### **Following members were present,**

- |                                   |                    |
|-----------------------------------|--------------------|
| 1. Prof. Pravin Charde, Principal | Chairman           |
| 2. Dr. A. P. Lambat               | IQAC Coordinator   |
| 3. Dr. (Mrs.) Kavita Mate         | Course Coordinator |
| 4. Dr. (Mrs.) Ujwala Mokadam      | Member             |

Dr. (Mrs.) Kavita Mate, Course Coordinator acted as Secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with permission of the Chairperson. The Coordinator read out the agenda of the meeting and sub sequentially discussed the matter.

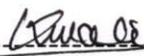
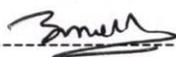
Item No.1 : To commence the Certificate Course in Gender Sensitization.

Resolution : Unanimously it was decided to commence the certificate course in Gender Sensitization from the session 2023 -2024.



Item No.2: To frame the syllabus of the course.  
Resolution: Honourable Principal expressed his views regarding the framing of the course syllabus and asked to prepare the syllabus of the certificate.

Item No.3. In other matter with the permission of the chair.  
Resolution:- As there was no other matter to discuss the coordinator sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1. Prof. Pravin Charde, Principal	
2. Dr. A. P. Lambat	
3. Dr. (Mrs.) Kavita Mate	
4. Dr. (Mrs.) Ujwala Mokadam	



# Syllabus

Unit 1 Gender sensitization 25M

1. Definition and meaning of gender: MFLGBTQ
2. Meaning of gender sensitization
3. Gender and structure :class ,cast ,family
4. Gender and culture

Unit 2 Social construction of gender 25M

1. Patriarchy and Matriarchy System
2. Traditional bases of sexual identity
3. Sex Differences and sexual discrimination in society
4. Biological sex ,Gender identity, Gender ideas, Sex roles .

Unit 3 Women in Society 25M

- 1.Stratification by sex .
2. Socialization and gender
- 3..Gender based division of labour
4. Gender bias in education

Unit 4 Gender and media 25M

- 1.Representation of gender in mass media
2. Gender and Television
3. Gender and Advertisement
4. Gender and Cenema
5. Gender and Print media



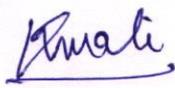
*M. D. Wable*  
**Off. Principal**  
Sevasda Mahila Mahavidyalaya  
Nagpur.

## Programme Outcomes

Aim of this certificate course of gender sensitization is to enable students to critically engage with gender issues in the social realm. The course is developed around a number of basic things within the area of gender and Society. By the end of the certificate course ,they have aware about following things.

- Gender by bodies and sexualities
- Difference between in gender and sex,
- women situation by analysing it within social institution like family, kingship ,marriage, cast and others .
- Emphasize on social practices institutions and process influence everyday life of women.

With the above certificate course students easily understood the construction of the female body through religion myth and culture by addressing the question of how myth and religious practices institutionalise gender roles specific to women and men differently.

  
Dr. Kavita Mate

  
Dr. Ujjala Makadam



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# **Sevadal Mahila Mahavidyalaya**

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

---

Date :- 20/01/2024

## **NOTICE**

All the students are hereby informed that the Certificate Course in '**Gender Sensitization**' run by the Department of Sociology to enhance gender knowledge, gender role, gender equality, women status in patriarchy system etc.

The interested students should contact the following teachers for admission before 27/01/2024.



  
**(Prof. Pravin Charde)**  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur

Copy to:

- 1) Dr. Kavita Mate, Course Coordinator, Gender Sensitization
- 2) Dr. Mrs. Ujwala Mokadam, Member, Gender Sensitization

  
**Off. Principal**  
Sevadal Mahila Mahavidyalaya  
Nagpur.

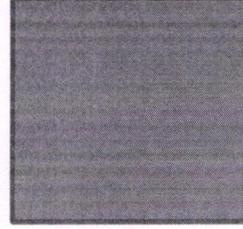
# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkaradara Square, Umrer Road, Nagpur -440024

## Department of Sociology

Application Form for  
Certificate Course In Gender Sensitization in year 2023-24

To,  
Head Of Department,  
Humanities, Sevadal Mahila Mahavidyalaya,  
Nagpur



Sir/Madam,

I, Ms. .... (in block letters)  
(Surname) (First name) (Father's name)

Class ..... Faculty .....

### PERSONAL DATA OF THE STUDENT (ALL IN BLOCK LETTERS)

1. Name : \_\_\_\_\_
2. Mother's Name : \_\_\_\_\_
3. Postal Address : \_\_\_\_\_
4. Mobile no. \_\_\_\_\_ Whats App no.: \_\_\_\_\_
5. E-mail id: \_\_\_\_\_
6. Date Of Birth : \_\_\_\_\_
7. Aadhar No.: \_\_\_\_\_

Signature Of Parents/Gurdian

Signature of Students



*Nawab*  
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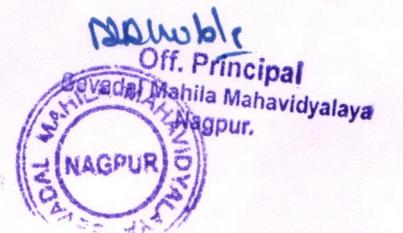
## Certificate Course in Gender Sensitization – 2023-24

### Admitted Student List

Sr.No	Student Name	Class	Contact No
1	Nidhi S. Kathe	B.A.III	8830305148
2	Sonu S. Kumbhalkar	B.A.III	7057152597
3	Sakshi N.Pande	B.A.III	7447556139
4	Durga J.Naitam	B.A.III	9356031775
5	Ekta S.Gode	B.A.III	8856841680
6	Nishika N.Rangari	B.A.III	9834641703
7	Saloni H.Nanwatkar	B.A.III	9579419403
8	Nandini M.Sawalakhe	B.A.III	9309078022
9	Ruchika M. Giripunje	B.A.III	7249689669
10	Sakshi K.Chakradhare	B.A.III	7391905601
11	Shruti R.Shinde	B.A.III	9322493089
12	Mahak S. Pathan	B.A.III	8766591060
13	Snehal S.Shende	B.A.II	9765510252
14	Chetana S.Madavi	B.A.II	7559242073
15	Ruksar B.Sheikh	B.A.II	9881047539
16	Aakansha A.Barhate	B.A.II	8010427460
17	Vaishnavi A.Deogirkar	B.A.II	7498377785
18	Chhaya R.Rahangdale	B.A.II	9022460174
19	Shweta S.Moon	B.A.II	7263802912
20	Saloni M.Sawalakhe	B.A.I	8799899508
21	Roshani R. Borkar	B.A.I	7385286149
22	Aarti B. Thakare	B.A.I	8767028941
23	Sangita M.Bhisikar	B.A.I	8766716325
24	Payal V.Kubde	B.A.I	9370616301
25	Vaishali P.Hajare	B.A.I	9764118426
26	Jaya C.Sakharkar	B.A.I	8698323978
27	Karishma P.Thakare	B.A.I	7722044197
28	Yogini Y.Giride	B.A.I	7972842908
29	Priyanka S.Mathankar	B.A.II	9325923091
30	Harshita S.Shinde	B.A.II	9823542283

*[Signature]*  
Dr. Kavita Mate

*[Signature]*  
Dr. Ujjwala Motkar



# Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkaradara Square, Umrer Road, Nagpur -440024

## Department of Sociology

Certificate Course in Gender Sensitization

### Time Table – 2023-24 Batch

#### February 2023-24

Date	Day	Time	Name of Counsellor
02/02/24	Friday	1.20pm - 2.10pm	Dr.Kavita Mate
03/02/24	Saturday	1.20pm -2.10pm	Dr.Ujwala Mokadam
07/02/24	Wednesday	1.20pm- 2.10pm	Dr.Ujwala Mokadam
09/02/24	Friday	1.20pm -2.10pm	Dr.Kavita Mate
10/02/24	Saturday	1.20pm -2.10pm	Dr.Ujwala Mokadam
16/02/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
17/02/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
23/02/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
24/02/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
28/02/24	Wednesday	1.20pm-2.10pm	Dr.Kavita Mate

#### March 2023-24

Date	Day	Time	Name of Counsellor
01/03/24	Friday	1.20pm-2.10pm	Dr.Ujwala Mokadam
02/03/24	Saturday	1.20pm-2.10pm	Dr.Kavita Mate
06/03/24	Wednesday	1.20pm-2.10pm	Dr.Ujwala Mokadam
09/03/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
13/03/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
15/03/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
16/03/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
22/03/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
23/03/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
30/03/24	Saturday	1.20pm-2.10pm	Dr.Kavita Mate



*M. S. B. /*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

## April 2023-24

Date	Day	Time	Name of Counsellor
03/04/24	Wednesday	1.20pm-2.10pm	Dr.Ujwala Mokadam
05/04/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
06/04/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
10/04/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
12/04/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
13/04/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
19/04/24	Saturday	1.20pm-2.10pm	Dr.Ujwala Mokadam
20/04/24	Friday	1.20pm-2.10pm	Dr.Kavita Mate
24/04/24	Wednesday	1.20pm-2.10pm	Dr.Ujwala Mokadam
26/04/24	Saturday	1.20pm-2.10pm	Dr.Kavita Mate

1) Dr. Kavita Mate Kavita

2) Dr. Ujwala Mokadam Ujwala



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# Sevadal Mahila Mahavidyalaya

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Sakkardara Square, Umrer Road, Nagpur-440024

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Date :- 26/04/2024

## NOTICE

All the students of Certificate Course in Gender Sensitization are hereby informed that the Internal Written and Oral Examination will be held on 28/04/24 at 11am in room no 110.



*N.S. Dhoble*  
**(Prof. Mrs. N. S. Dhoble)**  
Off. Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur

Copy to:

- 1) Dr. Kavita Mate, Course Coordinator, Gender Sensitization
- 2) Dr. Mrs. Ujwala Mokadam, Member, Gender Sensitization

*N.S. Dhoble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)  
Sakkaradara Square, Umrer Road, Nagpur -440024

Department of Sociology  
Certificate Course in Gender Sensitization

Marksheet 2023-24

Sr.No	Student Name	Class	Written Marks (80)	Oral Marks(20)	Total (100)	Result
1	Nidhi S. Kathe	B.A.III	65	18	83	Pass
2	Sonu S. Kumbhalkar	B.A.III	55	17	72	Pass
3	Sakshi N.Pande	B.A.III	50	17	67	Pass
4	Durga J.Naitam	B.A.III	54	19	73	Pass
5	Ekta S.Gode	B.A.III	59	18	73	Pass
6	Nishika N.Rangari	B.A.III	57	17	74	Pass
7	Saloni H.Nanwatkar	B.A.III	46	16	62	Pass
8	Nandini M.Sawalakhe	B.A.III	39	19	58	Pass
9	Ruchika M. Giripunje	B.A.III	62	17	79	Pass
10	Sakshi K.Chakradhare	B.A.III	35	17	57	Pass
11	Shruti R.Shinde	B.A.III	60	16	76	Pass
12	Mahak S. Pathan	B.A.III	59	18	77	Pass
13	Snehal S.Shende	B.A.II	45	18	63	Pass
14	Chetana S.Madavi	B.A.II	54	17	71	Pass
15	Ruksar B.Sheikh	B.A.II	52	14	66	Pass
16	Aakansha A.Barhate	B.A.II	49	16	65	Pass
17	Vaishnavi A.Deogirkar	B.A.II	49	15	64	Pass
18	Chhaya R.Rahangdale	B.A.II	55	17	72	Pass
19	Shweta S.Moon	B.A.II	58	18	78	Pass
20	Saloni M.Sawalakhe	B.A.I	59	17	76	Pass
21	Roshani R. Borkar	B.A.I	60	16	76	Pass
22	Aarti B. Thakare	B.A.I	61	19	80	Pass
23	Sangita M.Bhisikar	B.A.I	52	17	69	Pass
24	Payal V.Kubde	B.A.I	56	18	74	Pass
25	Vaishali P.Hajare	B.A.I	62	19	81	Pass
26	Jaya C.Sakharkar	B.A.I	55	19	74	Pass
27	Karishma P.Thakare	B.A.I	50	17	67	Pass
28	Yogini Y.Giride	B.A.I	64	17	81	Pass
29	Priyanka S.Mathankar	B.A.II	57	18	75	Pass
30	Harshita S.Shinde	B.A.II	48	18	66	Pass

1) Dr. Kavita Mate

2) Dr. Ujjwala Mokudam

Dr. Ujjwala  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
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# Sevadal Mahila Mahavidyalaya

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## Department of Sociology Certificate Course in Gender Sensitization

### Question Paper

Marks-80

Time – 1 ½ Hour

Each Question Carry Equal Marks.

All Questions Are Compulsory.

1] पूर्वीच्या काळी स्त्रियांच्या बाबतीत खालील पैकी कोणत्या प्रथा पाळल्या जाई.

सतीप्रथा. बालविवाह  
केशवपन. वरील सर्व

2] खालीलपैकी कुठल्या कलमाद्वारे गे पुरुष आणि लेस्बियन स्त्रिया यांना लग्न करून कुटुंब स्थापण्यास अनुमती मिळाली आहे.

कलम 377 कलम 355  
कलम 312 कलम 306

3] खालीलपैकी काय हा गुन्हा नाही.

समलैंगिकता चोरी  
भ्रष्टाचार शिव्या देणे

4] ज्या मुलींना दुसऱ्या स्त्रियांविषयी लैंगिक आकर्षण वाटतं अशा स्त्रियांना काय म्हणतात.

गे लेसबियन  
बाय सेक्युल ट्रान्सजेंडर

5] पूर्वीपासून भारतीय सिनेमा हा काय दर्शक राहिलेला आहे.

पथदर्शक भाषा दर्शक  
संस्कृती दर्शक नृत्य दर्शक

6] आधुनिक जग हे----- आहे.

संचार युग खाद्य युग  
द्रापारयुग कलीयुग

7] समाजात सर्व आर्थिक क्रिया -----सांभाळल्यात व ----- घराकडे लक्ष द्यावे असा समज आहे.

स्त्रियांनी पुरुषांनी  
वृद्धांनी मातांनी पुरुषाने स्त्रियांनी  
मुलांनी मुलींनी



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8] कोणत्याही वस्तू आणि उत्पादनाच्या जाहिरातीमध्ये----- हा आकर्षणाचाच भाग असतो.

पुरुष स्त्री  
वृद्ध तृतीयपंथी

9] जगात सर्वत्र स्त्री ----- ही व पुरुष ----- समजल्या जातात.

मध्यम श्रेष्ठ श्रेष्ठ कनिष्ठ  
कनिष्ठ श्रेष्ठ श्रेष्ठ श्रेष्ठ

10] स्त्री किंवा पुरुष जन्माने फक्त जैविकरित्या स्त्री किंवा पुरुष म्हणून जन्माला येते परंतु त्यांना कार्याने स्त्री किंवा पुरुष बनविण्याच्या प्रक्रियेला काय म्हणतात.

संस्कृतीकरण आधुनिकीकरण  
शहरीकरण सामाजिकीकरण

11] स्वयंपाक----- व ----- गाडी चालविणे शिकलेच पाहिजे असा आग्रह असतो.

मुलाने, वृद्धाने मुलीने मुलाने  
मुलाने मुलीने मुलाने मातेने

12] ज्यांना कोणाविषयी कुठलेच लैंगिक आकर्षण वाटत नाही त्यांना खालीलपैकी काय म्हटले जाते.

लेसबियन ट्रान्सजेंडर  
बाय सेक्युलर असेचुअल

13] अजूनही समाजात बऱ्याच ठिकाणी----- श्रम विभागणी आढळून येते.

वंशा आधारित लिंग आधारित  
जात आधारित वर्ग आधारित

14] स्त्री शिक्षणास कायमच----- स्थान देण्यात येत होते.

प्रथम दुय्यम  
मध्यम अव्वल

15] पूर्वीच्या काळी स्त्रियांच्या मर्यादित कार्यक्षेत्रासाठी खालीलपैकी कुठली म्हण प्रचलित होती.

दाम करी काम अति शहाणा त्याचा बैल रिकामा  
चूल व मूल अडला हरी गाढवाचे पाय धरी,

16] सामाजिक दृष्ट्या पुरुष व स्त्रिया असा समाजाच्या दोन प्रवर्गामध्ये केला जाणारा फरक म्हणजे काय?

लिंगभाव धर्मभाव,  
वंशभाव पंथभाव

17] भारतीय स्त्री शिक्षणाचे प्रणेते कोण?

सरदार वल्लभभाई पटेल  
महात्मा गांधी

सावित्रीबाई व ज्योतिबा फुले  
चाचा नेहरू



*Mahabale*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.

18] खालीलपैकी कायद्याने तृतीयपंथीयांना -----हक्क प्रदान केला आहे .

झोपण्याचा खाण्याचा	फिरण्याचा मतदानाचा
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19] लिंगभाव ओळख व्यक्तीस स्त्री-पुरुष म्हणून----- निर्माण करण्यास मदत करतात.  
स्व जाणीव अहंकार  
क्रोध हेवा

20] ----- वर्चस्व असलेला समाज स्त्री व पुरुष समान आहेत हा विचार मानत नाही.  
स्त्री पुरुषी  
तृतीयपंथी सर्व

21] मुलांचा सांभाळ व त्याचबरोबर घरातील इतर कामे हेच -----चे क्षेत्र ठरविल्या गेले होते.  
पुरुषांचे वृद्धांचे  
मुलांचे स्त्रियांचे

22] असे पुरुष ज्यांना दुसऱ्या पुरुषांविषयी लैंगिक आकर्षण वाटते त्यांना काय म्हणतात.  
लेसबियन ट्रान्सजेंडर  
बाय सेक्युल गे

23] 23/ 12/ 1986 रोजी माध्यमांच्या संदर्भात भारत सरकारच्या राजपत्रात कोणता कायदा प्रसिद्ध करण्यात आला .  
पुरुषांचे अश्लील प्रदर्शन प्रतिबंधक कायदा वृद्धांच्या हक्कांबद्दलचा कायदा  
बाल गुन्हेगारी प्रतिबंधक कायदा स्त्रियांचे अश्लील प्रदर्शन प्रतिबंधक कायदा

24] अलीकडच्या काळातील चित्रपटांमधून----- ही एक स्वतंत्र व्यक्ती असून तिच्या इच्छांना समाज मान्यता मिळताना प्रदर्शित केले जाते .  
स्त्री पुरुष  
तृतीयपंथी वरील सर्व

25] स्त्री पुरुष तुलना हा ग्रंथ कोणी लिहिला?  
ताराबाई शिंदे जनाबाई  
बहिणाबाई चौधरी इंदिरा गांधी

26] दृश्य स्वरूपातील माध्यमे उदाहरणार्थ----- यांचा प्रभाव लोकांवर पडतो.  
पुस्तके टीव्ही सिनेमा  
न्यूज पेपर रेडिओ

27] आधुनिक समाजामध्ये सामाजिक बदल व सामाजिक विकासात----- महत्त्वाची भूमिका वटवत आहे.  
जनसंवादाचे माध्यमे पारंपरिक विचारसरणी,  
धार्मिक प्रथा, जातीय मुलतत्ववाद



Mawble

Off. Principal  
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28] खालीलपैकी दलित स्त्रीवादी विचारवंत कोण?  
विद्या बाळ स्मृती इराणी  
शर्मिला रेगे कविता महाजन

29] खालीलपैकी कोणते विशेषण मुलींना लावले जाते.  
घर का चिराग पराया धन  
बुडांपै की लाटी मा बाप का सहारा

30] ज्या व्यक्तींना समलींग आणि भिन्न लिंग विषयी दोन्ही प्रकारचे लैंगिक आकर्षण वाटते त्यांच्याकरिता कोणती संज्ञा वापरली जाते.  
बायसिक्युल ट्रान्सजेंडर  
गे असेचुअल

31] ----- म्हणजे विचित्र हे विश्लेषण तृतीयपंथी गटात मोडणाऱ्या व्यक्तींच्या गटाला ओळखण्याकरिता वापरले जाते.  
वृद्ध स्त्री  
पुरुष किन्नर

32] समाजात लिंगभावाच्या आधारे स्त्री-पुरुषांच्या दर्जा श्रेष्ठ कनिष्ठ आहे असे समजणे म्हणजे काय?  
वंश भेद विषमता जातीभेद विषमता  
धर्मभेद विषमता लिंगभाव विषमता

33] भारतीय चित्रपटातील----- हा बलवान, हुशार, शूरवीर, जो एकाच वेळी दहा ते बारा गुंडांना मारू शकतो असे दाखविले जाते  
नायिका नायक  
विलन दिग्दर्शक

34] भारतीय दंड संहितेनुसार----- कोणत्याही अयोग्य पद्धतीने प्रदर्शन करणाऱ्या जाहिराती प्रकाशने यावर बंदी घातल्या जाते.  
स्त्री मनाचे स्त्री विचारांचे  
स्त्री गुणांचे स्त्री देहाचे

35] काही जाहिरातींमध्ये बदलत्या काळानुसार -----ही बाहेर येताना दिसते.

पारंपारिक साचेबंद विचारसरणी पारंपरिक विचारसरणी,  
धार्मिक प्रथा, जातीय मुलतत्ववाद

36] एका आदर्श पुरुषाकडून समाज जी अपेक्षा करतो त्या सर्व गुणांनी भरलेला असा आपल्या चित्रपटांचा----- असतो.  
नायक नायिका  
दिग्दर्शक गायक



*Mouli*  
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37] ----- म्हणून स्त्रीभ्रूणहत्या ,बलात्कार, स्त्रीविरुद्ध हिंसा घडवून येते.

. लिंगभाव विषमतेतून  
जातीभाव विषमतेतून

धर्मभाव विषमतेतून

38] अशा व्यक्ती ज्या जन्माला पुरुष म्हणून आल्या असल्या तरी त्यांना आपली खरी ओळख पुरुष आहे असे वाटते त्यांना काय म्हटले जाते.

ट्रान्सजेंडर  
गे

बायसिक्युल  
असेचुअल

39] खालीलपैकी कुणाला हिजडे, छक्के असे नावे देऊन त्यांच्यावर टिप्पणी केली जाते .

पुरुष  
तृतीयपंथीय

स्त्री  
वृद्ध

40] 2014 पासून भारतातील व्यक्तींना शस्त्रक्रिया शिवाय त्यांचे लिंगभाव बदलण्याची परवानगी देण्यात आली आहे.

पुरुष  
वृद्ध

स्त्री  
पार्लिंग भावी

*Kavita*

1) Dr. Kavita Mate

*Ujala*

2) Dr. Ujala Mokadam

*Neeraj*



Off. Principal

Off. Principal Mahila Mahavidyalaya  
Nagpur.



Sevalal Shikshan Sanstha's  
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# Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

## Certificate of Completion

This certificate is awarded to

*Ms. Nidhi Kathe*

she has successfully completed the Certificate Course in  
"Gender Sensitization",  
conducted by the Department of Sociology.

Date : 30/04/2024

*Kavita*

**Dr. Mrs. Kavita Mate**  
Course Coordinator

*Nirupama*

**Prof. (Mrs.) Nirupama S. Dhoble**  
Off. Principal  
Sevalal Mahila Mahavidyalaya, Nagpur

*Nirupama*

Off. Principal  
Sevalal Mahila Mahavidyalaya  
Nagpur.





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## SEVADAL MAHILA MAHAVIDYALAYA

Place For Higher Learning And Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440024

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Website : [www.sevadalmahilamahavidyalaya.ac.in](http://www.sevadalmahilamahavidyalaya.ac.in)

### *Certificate Course in* **Plant Nursery**



*Nepw b/g*

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Nagpur.

***Department of Botany***

## PROGRAMME OUTCOMES:

The Plant Nursery is a skill development based course specially designed for students, looking to start their own business in floriculture and horticulture. After successfully completion of this course students are able to.....

- Familiarise the student with the principles of propagating plants by cuttings
- To develop an understanding of how to propagate plants from stem cuttings
- To develop an understanding of how to propagate plants from non-stem cuttings
- To develop an understanding of the materials and equipment used for propagating plants from stems
- To understand the principles of growing media in relation to cutting propagation
- To understand how and why cuttings form roots. To learn how to manipulate the formation of roots on cuttings
- To understand the principles for establishing successful plant propagation areas
- To understand the principles of nursery crop scheduling.



*N. S. B. K.*

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## **Certificate course in Plant Nursery**

A Plant Nursery is a place where plants are propagated and grown to a desired size. Mostly the plants concerned are for gardening, forestry, or conservation biology, rather than agriculture. They include retail nurseries, which sell to the general public; wholesale nurseries, which sell only to businesses such as other nurseries and commercial gardeners and private nurseries, which supply the needs of institutions or private estates.

The Plant Nursery Course is designed for students to start their own business in floriculture and horticulture. With a focus on creating a profitable plant nursery, this course will help to students how to develop a solid business plan, choose the right plants to cultivate, and market their products effectively.

In India, the plant nursery business has vast potential, and with the right approach, students can earn money per month and they become independable. The course covers all the essential aspects of starting and managing a successful plant nursery, including market research, financial planning, and selecting appropriate plant species.

### **AIMS AND OBJECTIVES:**

- Explain plant propagation techniques and efficiency and quality control measures for the plant nursery.
- Explain identifying and naming plants through International Code of Botanical Nomenclature.
- Describe pros and cons of different nursery structures and understand effective management techniques.



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- Describe different types of potting mix, their uses and pros and cons.
- Discuss different sources, maintenance of genetic identity, hybridisation techniques, storage and germination; of seeds.
- Explain different means of propagating cuttings.
- Explain alternative methods of propagation and their appropriate uses.
- Discuss the importance of major and minor elements to plant health and the effect of their deficiencies upon plant nutrition.
- Explain the effects of pests and diseases on the livelihood of the nursery and the importance of good hygiene standards in their control.
- Explain different methods of controlling plant growth.



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Place For Higher Learning And Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024  
E-Mail: sevamahilamv@gmail.com

Date: 28-09-2023

## NOTICE

All the members of the Department of Botany are hereby informed that the meeting regarding the certificate course in "Plant Nursery" has been scheduled on 3 Oct 2023 at 11:00 Am at the Hon'ble Principal Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A.P. Lambat, NAAC coordinator.

### Agenda of the meeting:

- 1) To commence certificate course in "Plant Nursery"
- 2) To frame the syllabus of the course
- 3) Any other Matter with the permission of the Chair

**Dr. Indralata P. Bhagat**

Course co-ordinator

Plant Nursery

Copy to :

Dr. Ashish P. Lambat, NAAC Co-ordinator



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## Minutes of the Meeting dated 03.10.2023 Certificate Course in "Plant Nursery"

The meeting regarding the Certificate Course in Plant Nursery ' was held on 3rd Oct, 2023 at 11.00 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

### Agenda of the meeting:

- 1) To commence the Certificate Course in 'Plant Nursery'.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.

### **Following Members were present.**

- |                                   |                    |
|-----------------------------------|--------------------|
| 1) Prof. Pravin Charde, Principal | Chairman           |
| 2) Dr. Ashish P. Lambat,          | IQAC Coordinator   |
| 3) Professor V. S. Dongre         | Member             |
| 4) Dr. Indralata P. Bhagat        | Course Coordinator |

Dr. I. P. Bhagat, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) **Item No.1:** To commence the Certificate Course in 'Plant Nursery'.

**Resolution:** Unanimously it was decided to commence the Certificate Course in "Plant Nursery" from the session 2023- .

- 2) **Item No.2:** To frame the syllabus of the course.

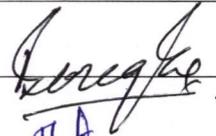
**Resolution:** Hon'ble Principal expressed his views regarding the framing of course syllabus, Dr. I. P. Bhagat and Prof. V. S. Dongre were asked to prepare syllabus of the Certificate Course in 'Plant Nursery'.



*Pravin Charde*  
**Off. Principal**  
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3) **Item No.3:** Any other matter with the permission of Chair.

**Resolution:** As there was no other matter to discuss, the Coordinator sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1. Hon'ble Prof. Pravin Charde	
2. Dr. Ashish P. Lambat	
3. Professor V. S. Dongre	
4. Dr. Indralata P. Bhagat	



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Date: 13-10-2023

## NOTICE

All the members of the Department of Botany are hereby informed that the meeting regarding the certificate course in “ **Plant Nursery**” has been scheduled on 18 Oct 2023 at 11:00 am at the Hon'ble Principal Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A.P. Lambat, NAAC coordinator.

### Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of Plant nursery
- 3) Any other Matter with the permission of the Chair

  
**Dr. Indralata P. Bhagat**  
Course Co-ordinator  
Plant Nursery

**Copy to :**

Dr. Ashish P. Lambat, NAAC Co-ordinator



  
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## Minutes of the Meeting dated 18.10.2023 Certificate Course in "Plant Nursery"

The meeting regarding the Certificate Course in Plant Nursery ' was held on 18<sup>th</sup> Oct, 2023 at 11.00 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

### Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of framing the syllabus of Plant nursery
- 3) Any other Matter with the permission of the Chair

### **Following Members were present.**

- |                                   |                    |
|-----------------------------------|--------------------|
| 1) Prof. Pravin Charde, Principal | Chairman           |
| 2) Dr. Ashish P. Lambat,          | IQAC Coordinator   |
| 3) Professor V. S. Dongre         | Member             |
| 4) Dr. Indralata P.Bhagat         | Course Coordinator |

Dr. I. P. Bhagat, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

### **1) Item No.1: To confirm the minutes of the last meeting.**

**Resolution:** The minutes of the last meeting held on 03-10-2023 were read by the course coordinator and subsequently the minutes were unanimously approved.

### **2) Item No.2: To review the progress of framing the syllabus of Plant nursery**

**Resolution:** Course Coordinator tabled the newly framed syllabus of Certificate Course in Plant Nursery in the meeting after through discussion it was approved unanimously



*Ms. Ashish Lambat*

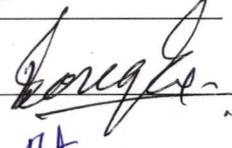
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3) **Item No.3: Any other matter with the permission of Chair.**

**Resolution:** Hon'ble Principal directed the Coordinator to start admissions for the students after Diwali Vacation

As there was no other matter to discuss, the meeting was concluded with vote of thanks by the Coordinator of the course

Name	Signature
1. Hon'ble Prof. Pravin Charde	
2. Dr. Ashish P. Lambat	
3. Professor V. S. Dongre	
4. Dr. Indralata P. Bhagat	



*N. Pawar*  
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## SYLLABUS

### Certificate course in Plant Nursery

**Name of certificate Course: Plant Nursery**

**Objectives:**

1. To learn plant propagation method and management practices for wholesale container and field production nurseries.
2. Develop skills necessary to manage a wholesale nursery.
3. To grow plant in open environment, maintain a good quality of plants.

**Course Feature:**

- Weekly three theory classes and two lab activity .
- A field trip to companies in the nursery or visit to local plant nursery.
- One paper each of theory and practical.
- Total Marks: 100 (Theory: 60M, Practical :20 M, Internal Assesment:20M)

### Syllabus: Theory

#### UNIT – I

Introduction to the nursery industry, nursery techniques, Importance, Types of nurseries, Nursery standards. Establishment of Nursery: Selection of site and location, Design, Irrigation and Drainage management. Propagation: Sexual, Asexual and tissue culture, role of plant hormones and disinfectants.

Seed dormancy (scarification & stratification) internal and external factors.

#### UNIT -II

Soil and soil factors (pH, Nutrition). Growth media and potting mixers. Transplanting, Potting, pruning and in ground production. Selection and management of nursery stock, Criteria for selection, propagation material, its inspection, labelling and storage.



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### UNIT- III

Plant breeding: Genetic improvement of plants, Mendel's principles, Plant reproduction and its phases, Genetic variations, sterility, hybrid crosses, Quantitative traits, Plant breeding programmes, Hybrid seed production, breeder's rights and trademarks.

### UNIT- IV

Pest and disease management – Cultural, physical, chemical and biological controls. Integrated pest management. Weed control methods.

Glasshouses, shade houses and other nursery structures, Management and marketing- packaging, retail and customer relations.

#### Practicals:

1. Designing nursery layout.
2. Media for propagation of plants in nursery beds and pot.
3. Preparation of nursery beds and sowing of seeds.
4. Raising of rootstock.
5. Seed treatments for breaking dormancy and inducing vigorous seedling growth.
6. Preparation of plant material for potting.
7. Hardening plants in the nursery.
8. Practicing different types of cuttings, layering, graftings and buddings.
9. Maintenance of nursery records.
10. Use of different types of nursery tools and implements for general nursery and virus tested plant material in the nursery.



*M. S. Bhat*  
Off. Principal  
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*Dr. Indralata P. Bhagat*  
Dr. Indralata P. Bhagat  
Course Co-ordinator  
Plant Nursery

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Sakkardara Square, Umrer Road, Nagpur-440024  
E-Mail: sevamahilamv@gmail.com

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Date: 20-10-2023

## NOTICE

All the students are hereby informed that the Certificate Course in “ **Plant Nursery**” run by Department of Botany is designed to develop skills necessary to manage a plant propagation and maintain plant nursery. Interested students should contact following teachers for admission before 30 October 2023.

- 1.. Professor V. S. Dongre, HOD Botany
2. Dr. Indralata P.Bhagat



**Prof. Pravin Charde**  
Principal  
Sevadal Mahila Mv. Nagpur.



*Pravin Charde*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
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Place For Higher Learning And Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

**Certificate Course in Plant Nursery**  
Academic Session: 2023-24

List of students registered in certificate course of Plant Nursery:

S. No.	Name of Students
1	Aakanksha S. Gadekar
2	Aakanksha S. Gathibande
3	Alshifa J. Ali
4	Anjali L. Mahto
5	Anushka T. Khandekar
6	Chandni R. Raghute
7	Ekta R. Kalambe
8	Fouziya S. Ishaque
9	Himani J. Waghmare
10	Komal H. Bhonde
11	Muskan V. Singh
12	Prachi W. Kumbhare
13	Pragati G. Sontakke
14	Pranali M. Wadive
15	Prarthana Vyawahare
16	Sakshi S. Nannaware
17	Sakshi S. Bipte
18	Samruddhi M. Ramtake
19	Sejal R. Thawkar
20	Shafiyanaaz A. M. Khalid
21	Shiba Anjum
22	Shweta C. Nandurkar
23	Taiba Mohammed A. Bhimani
24	Tanzeela Jabeen Khan
25	Triveni Moon
26	Urvashi M. Shende
27	Vaidavi V. Raut
28	Vaishnavi P. Thakre
29	Yogini L. Ingale
30	Yukta P. Gijre



**(Dr. I. P. Bhagat)**  
Course Co-Ordinator



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**Prof. Pravin Charde**  
Principal  
Sevadal Mahila Mv. Nagpur.





SEVADAL SHIKSHAN SANSTHA  
NAAC RE-ACC  
**SEVADAL MAHILA MAH  
& RESEARCH ACADEMY**  
Sakkardara Square, Umrer Rd

Certificate Course

Attendance  
Plant Nursery  
Theory classes.  
Month of .....

Attendance for the

Roll No.	NAME	16/02/24	19/02/24	20/02/24	21/02/24	22/02/24	23/02/24	26/02/24	27/02/24	28/02/24	04/03/24	05/03/24	06/03/24	07/03/24	08/03/24	11/03/24	12/03/24	13/03/24	14/03/24	15/03/24	18/03/24	19/03/24	20/03/24
1	Aqilanksha S. Gadekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Aakanksha S. Gadhiban	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Alshifa J. Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Anjali L. Mahato	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Anushka T. Khandekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Chandni R. Raghute	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Ekta R. Kelambe	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Fauziya S. Ishque	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Himani J. Waghmare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Komal H. Bhande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Muskan V. Singh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Prachi W. Kumbhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Pragati G. Sontakke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Prabali M. Wadive	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Prarthana Vyawahare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Sakshi S. Nannawa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Sakshi S. Bipte	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Samsuddhi M. Ramteke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Sejal R. Thawkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Shafiyanaaz A.M. Khal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Shiba Anjum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shweta C. Nandurkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Taiba Mohammed A. B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Tanzeela Jabeen Khan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Toiveni Moon	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Urvasi M. Shende	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Vaidavi V. Raut	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Vaishnavi P. Thakre	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Yajni L. Ingale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Yukta P. Gijse	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

*M. Sumbh*

Off. Principal

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*Dr. I.P. Bhayut*  
Course - Co-ordinator

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Sakkardara Square, Umrer Road, Nagpur-440024  
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Date: 15-03-2024

## NOTICE

All the students of Certificate Course in “ **Plant Nursery**” are hereby informed that the practical and theory examination will be held on 10-04-2024 at 10:30 am and 15-04-2024 at 11:00 am respectively in the Botany laboratory. Students are directed to remain present.



(Dr. I. P. Bhagat)  
Course Co-Ordinator



Prof. (Mrs.) N. S. Dhoble  
Off. Principal  
Sevadal Mahila Mv. Nagpur



Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



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## Certificate Course in Plant Nursery Practical Examination Session : 2023-24

Time: Four Hours]

[Max. Marks: 20

- Q.1: To Prepare Media for propagation of plants in nursery [A]. 03
- Q.2: To Designing the nursery layout [B]. 03
- Q.3: To find out physical properties of given soil [C]. 03
- Q.4: To Prepare the plant material for potting [D] 03
- Q.5: Spotting 03
- [E] \_\_\_\_\_
- [F] \_\_\_\_\_
- [G] \_\_\_\_\_
- Q.6: Viva-voce. 02
- Q.7: Practical record. 03



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## Certificate Course in Plant Nursery Theory Examination Session: 2023-24

Time: 3 hours]

[ Max. Marks: 60.

- N.B. 1. All questions are compulsory.  
2. Draw diagrams wherever necessary.

- Q.1. Write on any Three:** 3x10
- Importance, objective and techniques of Nursery
  - Physical and Chemical properties of soil.
  - Methods of vegetative propagation.
  - Pest and disease control method of Nursery plants.
- Q.2. Write short notes on:** 5x3
- Nursery Layouts.
  - Layering.
  - Nursery managements.
  - Transplanting and Potting of plants.
  - Grafting.
- Q.3. Write down short notes on:** 4x2.5
- Weed control method
  - Packaging of plant
  - Media for propagation
  - Factors affecting plant growth
- Q.4 Write in two or three lines on each (Diagrams are not necessary). Any five.** 1x 5
- Irrigation
  - Disinfectants
  - Pruning
  - Cutting
  - Scion
  - Biological pest control



*Mawb/s*

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**Certificate Course in Plant Nursery****Session: 2023-24**

Mark sheet of students [Assignments, Practical &amp; Theory examination]:

S. No.	Name of Students	Assignments (20 Marks)	Practical (20 Marks)	Theory (60 Marks)	Total (100 Marks)	Grade
1	Aakanksha S. Gadekar	16	18	38	72	B+
2	Aakanksha S. Gathibande	17	18	39	74	B+
3	Alshifa J. Ali	19	20	42	81	A
4	Anjali L. Mahto	18	20	43	81	A
5	Anushka T. Khandekar	16	18	36	70	B+
6	Chandni R. Raghute	16	18	39	73	B+
7	Ekta R. Kalambe	15	17	39	71	B+
8	Fouziya S. Ishaque	17	19	39	75	B+
9	Himani J. Waghmare	16	19	40	75	B+
10	Komal H. Bhonde	17	19	38	74	B+
11	Muskan V. Singh	16	19	39	74	B+
12	Prachi W. Kumbhare	19	20	45	84	A
13	Pragati G. Sontakke	16	18	39	73	B+
14	Pranali M. Wadive	16	17	38	71	A
15	Prarthana Vyawahare	15	17	38	70	A
16	Sakshi S. Nannaware	16	18	37	71	A
17	Sakshi S. Bipte	16	19	39	74	A
18	Samruddhi M. Ramtake	16	19	36	71	B+
19	Sejal R. Thawkar	19	20	43	82	A
20	Shafiyanaaz A. M. Khalid	19	20	42	81	A
21	Saniya K. Rashid	19	20	42	81	A
22	Shweta C. Nandurkar	18	19	40	77	B+
23	Taiba Mohammed A. Bhimani	18	19	40	77	B+
24	Tanzeela Jabeen Khan	18	19	40	77	B+
25	Triveni Moon	15	18	38	71	B+
26	Urvashi M. Shende	15	18	39	72	B+
27	Vaidavi V. Raut	17	18	40	75	B+
28	Vaishnavi P. Thakre	19	20	43	82	A
29	Yogini L. Ingale	16	19	37	72	B+
30	Yukta P. Gijre	16	17	38	71	B+

Course Co-Ordinator

(Dr. I. P. Bhagat)



N. D. W. K.

 Off. Principal  
 Sevadale Mahila Mahavidyalaya  
 Nagpur.

# SEVADAL MAHILA MAHAVIDYALAYA

Place For Higher Learning And Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024  
E-Mail: sevamahilamv@gmail.com

Date: 21-04-2024

## NOTICE

All the members of the Department of Botany are hereby informed that the meeting regarding the certificate course in “ **Plant Nursery**” has been scheduled on 24<sup>th</sup> April 2024 at 11:00 am at the Hon'ble Principal Chamber.

Hon'ble Principal madam will chair the meeting in presence of Dr. A.P. Lambat, NAAC coordinator.

### Agenda of the meeting:

- 4) To confirm the minutes of the last meeting.
- 5) To review the progress of the course “Plant nursery”
- 6) Any other Matter with the permission of the Chair

  
**Dr. Indralata P. Bhagat**  
Course Co-ordinator  
Plant Nursery

### Copy to :

Dr. Ashish P. Lambat, NAAC Co-ordinator

  
*MS Lambat*  
**Off. Principal**  
Sevaldal Mahila Mahavidyalaya  
Nagpur.

# SEVADAL MAHILA MAHAVIDYALAYA

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E-Mail: sevamahilamv@gmail.com

## Minutes of the Meeting dated 24.04.2024 Certificate Course in "Plant Nursery"

The meeting regarding the Certificate Course in 'Plant Nursery' was held on 24<sup>th</sup> April, 2024 at 11.00 am in the Hon'ble Principal's Chamber. Hon'ble Principal Madam presided over the meeting.

### Agenda of the meeting:

- 4) To confirm the minutes of the last meeting.
- 5) To review the progress of the course "Plant nursery"
- 6) Any other Matter with the permission of the Chair

### **Following Members were present.**

- |   |                    |
|---|--------------------|
| 1) Prof. (Mrs.) N. S. Dhoble, Principal | Chairman           |
| 2) Dr. Ashish P. Lambat,                | IQAC Coordinator   |
| 3) Professor V. S. Dongre               | Member             |
| 4) Dr. Indralata P. Bhagat              | Course Coordinator |

Dr. I. P. Bhagat, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

### **1) Item No.1: To confirm the minutes of the last meeting.**

**Resolution:** The minutes of the last meeting held on 24-04-2024 were read by the course coordinator and subsequently the minutes were unanimously approved.

### **2) Item No.2: To review the progress of the course "Plant nursery"**

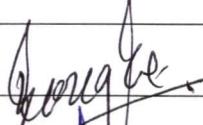
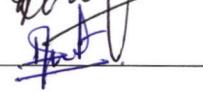
**Resolution:** Course Coordinator presented exam result of the Certificate Course in Plant Nursery in the meeting it was approved unanimously



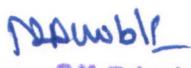
*Ms. N. S. Dhoble*  
**Off. Principal**  
Sevalal Mahila Mahavidyalaya  
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3) **Item No.3: Any other matter with the permission of Chair.**

**Resolution:** Hon'ble Principal instructed to distribute certificate to the students on the accomplishment of certificate course.

Name	Signature
1. Hon'ble Prof. (Mrs.) N. S. Dhoble	
2. Dr. Ashish P. Lambat	
3. Professor V. S. Dongre	
4. Dr. Indralata P. Bhagat	



  
**Off. Principal**  
Sevalal Mahila Mahavidyalaya  
Nagpur.



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## Sevalal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440 024

E-mail: sevamahilamv@gmail.com

Website: www.sevalalmahilamahavidyalaya.ac.in

### Certificate Course *in* Rural Development

Academic Session: 2023-2024

Department of Home Science Extension Education

*Mouabr*

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### **PROGRAMME OUTCOME**

The whole purpose of the "Certificate course in Rural Development" is to impart knowledge about the impact of technology on Rural India. By the end of the certificate course, they have learnt following things.

- 1) To make the students competent in various walks of life.
- 2) To acquaint the students about rural institutional systems.
- 3) To make aware about social changes.
- 4) To study the various agriculture policies.
- 5) To understand the source of rural employments.
- 6) To introduce the rural Tourism in the upliftment of rural life.
- 5) To make the students job ready and enhance their employability.
- 6) To make the students aware of and responsible towards gender, religion, and class equality.
- 7) To enhance critical thinking by making them participate in social activities and imbibe human values among them.
- 8) To encourage the students to participate in research at different levels through projects, interviews, surveys and field visits.

As the students are trained and developed regarding the knowledge of rural development and they will be aware about rural background. The course in general help them for upgradation of rural technology. In order to develop rural areas, education, entrepreneurship, physical infrastructure are crucial.

Rural development is also characterized by its emphasis on locally sourced economic strategies. In contrast to urban areas, which have many similarities, rural areas are highly distinct from each other. Therefore, there are many different rural development approaches around the world. "Rural development" is a very broad concept. Basically, it focuses on actions for the economic development of areas outside the mainstream urban economy.

*Moubr*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
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## **Certificate Course in Rural Development**

Rural development means an action plan for the economic and social upliftment of rural areas. It aims at improving the quality of life of people living in rural areas. It focuses on the action for the development of areas that are lagging behind in the overall development of the rural economy.

Rural development is a dynamic process, which is mainly concerned with the rural areas. These include agricultural growth, putting up of economic and social infrastructure, fair wages as also housing and house sites for the landless, village planning, public health, education and functional literacy, communication etc. Rural development is a national necessity and has considerable importance in India.

Looking at this significant development, college has taken special initiative by establishing course of rural development for the students so that they will aware about the rural background. The tools used for the teaching in the lab are power point presentation which is more benefitted for the students. This method is more useful for the students and easily they grasp the knowledge which are taught very easily.

As the students are of urban background, they hardly have the idea of rural areas. Rural people may have limited access to such resources due to fewer facilities, which can impact the availability of diverse educational opportunities for students. Hence it was essential to frame syllabus easy and the basic components of the syllabus were to provide knowledge about importance, objectives, principles, problems of rural development, to assess the reason behind migration of people, stop the migration of people, impact on rural and urban areas, to impart knowledge about the impact of technology on Rural India, scope, opportunities, suggestions, constraints of rural technology, to gain knowledge about various developmental programmes in India.

### **AIMS AND OBJECTIVES**

1. To provide knowledge about importance, objectives, principles, problems of rural development.
2. To assess the reason behind migration of people, stop the migration of people, impact on rural and urban areas.
3. To impart knowledge about the impact of technology on Rural India, scope, opportunities, suggestions, constraints of rural technology.
4. To gain knowledge about various developmental programmes in India.

*Neelambar*  
Off. Principal  
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## SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)

Sakkardara Chowk, Umrer Road, Nagpur-440024

Date: 05-08-2023

### NOTICE

It is hereby informed that the meeting regarding the Certificate course in "Rural Development" has been scheduled on 10<sup>th</sup> Aug 2023 at 11.30 am at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr.A.P.Lambat, NAAC Coordinator.

Agenda of the meeting:

1. To commence the Certificate Course in "Rural Development".
2. To frame the syllabus of the course.
3. Any other matter with the permission of the Chair.

*A.S. Dhoble*

Dr. Mrs. A. S. Dhoble  
Course Coordinator  
Rural Development

Copy to:  
Asst. Prof. A. P. Lambat, NAAC Coordinator

*Noushir*

Off. Principal  
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Nagpur.



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**SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

**Minutes of the Meeting 10.08.2023**  
**Certificate Course in 'Rural Development'**

The meeting regarding the Certificate Course in 'Communicative English' was held on 10<sup>th</sup> August 2023 at 11.30 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

Agenda of the meeting:

- 1) To commence the certificate course in "Rural Development"
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the Chair.

Following Members were present.

- |                                       |                    |
|---------------------------------------|--------------------|
| 1) <u>Dr. Pravin Charde,</u>          | Chairman           |
| 2) <u>Asst. Prof. Dr.A. P. Lambat</u> | IQAC Coordinator   |
| 3) <u>Prof. A. S. Dhoble</u>          | Course Coordinator |

Dr.Mrs. A. S. Dhoble, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal, IQAC coordinator, and held the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 4) Item No.1: To commence the certificate course in "Rural Development"  
Resolution: Unanimously it was decided to commence the Certificate course in "Rural Development" from the session 2023-24.
- 5) Item No.2: To frame the syllabus of the course.  
Resolution: Hon'ble Principal expressed his views regarding the framing of the course syllabus. Sir asked to prepare syllabus of the Certificate Course in "Rural Development".

*NAWBLR*

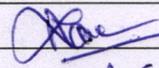
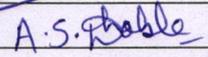
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6) Item No.3: Any other matter with the permission of Chair.

Resolution: As there was no other matter to discuss, the Coordinator sun up the meeting by expressing thanks for everyone's gracious attendance.

	<u>Name</u>
1	Hon'ble Dr. Pravin Charde
2	Mr. A.P. Lambat
3	Mrs. A. S. Dhoble

	<u>Signature</u>
	
	
	

*N. Dhoble*  
Off. Principal  
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Date : 01.09.2023

**NOTICE**

All the members of the Department of English are hereby informed that the meeting regarding the Certificate Course in 'Rural Development' has been scheduled on 07.09.2023 at 11.30 pm at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A.P. Lambat, NAAC Coordinator.

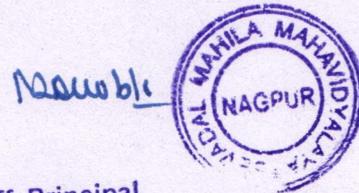
Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of the course 'Rural Development'.
- 3) Any other matter with the permission of the Chair.

*A.S. Dhoble*

**Dr. Mrs. A. S. Dhoble**  
Course Coordinator  
Rural Development

**Copy to:**  
Dr. A.P.Lambat , NAAC Coordinator



**Off. Principal**  
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**Minutes of the Meeting 10.08.2023**  
**Certificate Course in 'Rural Development'**

The meeting regarding the Certificate Course in 'Rural Development' was held on 10.08.2023 at 11.30 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of the course 'Rural Development'.
- 3) Any other matter with the permission of the Chair.

Following Members were present.

- |  |                    |
|--|--------------------|
| 1) <u>Dr. Pravin Charde,</u>           | Chairman           |
| 2) <u>Asst. Prof. Dr. A. P. Lambat</u> | IQAC Coordinator   |
| 3) <u>Prof. A. S. Dhoble</u>           | Course Coordinator |

Mrs. A. S. Dhoble, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the matter.

- 1) Item No.1: To confirm the minutes of the last meeting.

Resolution: The minutes of the last meeting held on 10.08.2023 were read by the course coordinator and after through discussion the minutes were unanimously approved.

- 2) Item No.2: To review the progress of framing the syllabus of 'Rural Development'.

Resolution: Course Coordinator tabled the newly framed syllabus of Certificate Course in Rural Development. After through discussion it was approved unanimously.

*M. Dhoble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
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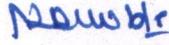


3) Item No.3: Any other matter with the permission of Chair.

Resolution: Hon'ble Principal Sir directed the Coordinator to start admission for the students.

As there was no matter to discuss, the meeting was concluded with vote of thanks by the coordinator of the course.

<u>Name</u>	<u>Signature</u>
1. Hon'ble Dr. Pravin Charde	
2. Mr. A.P. Lambat	
3. Mrs. A. S. Dhoble	

  
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## **SEVADAL MAHILA MAHAVIDYALAYA**

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### **SYLLABUS**

#### **Certificate Course in 'Rural Development'**

##### **Objectives:**

- 1.To provide knowledge about importance, objectives, principles, problems of rural development.
- 2.To assess the reason behind migration of people, stop the migration of people, impact on rural and urban areas.
- 3.To impart knowledge about the impact of technology on Rural India, scope, opportunities, suggestions, constraints of rural technology.
- 4.To gain knowledge about various developmental programmes in India.

##### **Course Feature:**

- 1)Total 30 Lectures
- 2)Each lecture of 50 minutes.
- 3)Two lectures in a week
- 4)Internal Assessment (Written, Practical and Internal Assessment)
- 5)Written Examination- 60 Marks
- 6) Practical Examination- 20 Marks
- 7)Internal Assessment- 20 Marks

##### **UNIT I**

###### **RURAL DEVELOPMENT**

Meaning, Definition of rural development  
Concept of rural development  
Basic elements of rural development  
Importance of rural development  
Objectives of rural development  
Process of rural development  
Evaluation of rural development  
Problems of rural development

*Nalwdr*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
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## **UNIT II**

### **MIGRATION OF RURAL**

Introduction

Reasons behind migration

Stopping the migration of rural people to urban area

Impact on rural areas

Impact of urban areas

## **UNIT III**

### **RURAL TECHNOLOGY**

Impact of technology on Rural India: Agriculture technology, Education Technology, Healthcare technology.

Scope of rural technology

Opportunities in rural technology

Suggestions for the development of rural technology

Constraints in the growth of rural technology

## **UNIT IV**

### **DEVELOPMENT PROGRAMMES**

1. Mission Shakti
2. Maharashtra Lek Ladki Scheme
3. National Rurban Mission (NRuM)
4. Mission Antyodaya

### **PRACTICALS:**

**20 MARKS**

1. Method demonstration on "best from waste"
2. Write a survey report on any developmental issue of rural women.

### **INTERNAL ASSESSMENT:**

**20 MARKS**

Write a detail of any two developmental programmes in India.

### **REFERENCES:**

Hirevenkanagoudar, L.V. et.al. (2004) Extension approaches for Agriculture and Rural Development, Department of Agricultural Extension Education, University of Agricultural Sciences, Dharwad.

Gupta, D.D. (2008) Extension Education Core contents and emerging areas, AGROBIOS (INDIA) Agro house, Jodhpur.

*Nawab*  
Off. Principal  
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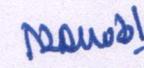
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Date: 14-09-2023

NOTICE

All the students are hereby informed that the Certificate Course in "Rural Development" run by Department of Home Science Extension Education is designed to enhance the knowledge regarding rural development. Interested students should contact Prof. Mrs. A. S. Dhoble for admission before 30<sup>th</sup> September 2023.

  
Prof. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya

  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
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**CERTIFICATE COURSE IN RURAL DEVELOPMENT**  
**Academic Session: 2023-2024**  
**List of Students**

Sr. No.	Name of Students
1	Ms. Adiba Aziz Khan
2	Ms. Areeba Hanif Dosani
3	Ms. Avantika B. Chavde
4	Ms. Chandani C. Dhongde
5	Ms. Divya K. Singanjude
6	Ms. Divyani D. Waghade
7	Ms. Gayatri N. Agade
8	Ms. Hasina Bano Ahmad Khan
9	Ms. Humera Fatema Mushtaque Khan
10	Ms. Karishma K. Nandanwar
11	Ms. Krutika A. Shende
12	Ms. Mahvish Anjum Riysat Khan
13	Ms. Midhat Rizwan Raja
14	Ms. Nabiha Fatma Mohammad Shahzad
15	Ms. Nita T. Meshram
16	Ms. Pratiksha G. Patil
17	Ms. Rutuja A. Dandekar
18	Ms. Shruti V. Mohdure
19	Ms. Srushti V. Sorte

*A.S. Dhoble*  
(Dr. Mrs. A. S. Dhoble)  
Course Co-Ordinator

*P.P.*  
(Prof. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur

*N.S.*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur,





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Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date: 01-02-2024

### NOTICE

All the students of Certificate Course in Rural Development are hereby informed that you have to submit internal Assessment before 31<sup>st</sup> Jan 2024. Written Examination will be held on 10<sup>th</sup> February 2024 at 10.00 am in Room No. 309 and Practical Examination 12<sup>th</sup> February 2024 in the Department of Home Science Extension Education at 1.00 pm. Students are directed to remain present.

*A.S. Dhoble*

Dr. Mrs. A. S. Dhoble  
Course Coordinator  
Rural Development

*P. Charde*

Prof. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur

*N. Dhoble*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
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## SEVADAL MAHILA MAHAVIDYALAYA

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### CERTIFICATE COURSE IN RURAL DEVELOPMENT

2023-2024

Time: 1 hour.

(Multiple choice questions)

Max. Marks: 60

N.B. 1) All questions are compulsory. 2) All questions carry equal marks.

- Rural areas are sparsely settled places away from the influence of \_\_\_\_\_ cities & towns.  
a) small b) large c) small & large d) None
- Rural development is a strategy designed to improve the economic & \_\_\_\_\_ life of rural poor.  
a) financial b) spiritual c) educational d) social
- Basic elements of rural development are:  
a) Basic necessities of life b) Self respect c) freedom d) All of the above
- Absence or denial of self respect indicates lack of:  
a) development b) decrease c) reduction d) importance
- The quality of human resources must be improved through:  
a) female literacy b) skill development c) sanitation facilities d) All of the above
- Productive resources in each rural location are to be:  
a) solved b) identified c) undiscovered d) unspoiled
- Agricultural related problems are:  
a) poor marketing facility b) division of land c) insufficient extension staff d) All of the above
- Administrative problems are:  
a) Target oriented b) political interference c) Lack of motivation & interest d) All of the above
- Migration of rural people to \_\_\_\_\_ areas have become widespread phenomena in many countries around the world.  
a) rural b) urban c) rural & urban d) None
- One of the primary reasons for rural urban migration is the lack of \_\_\_\_\_ in rural areas.  
a) employment reduction b) urban planners c) Job opportunities d) better work
- \_\_\_\_\_ is a major driver of rural-urban migration.  
a) wealth b) poverty c) sufficiency d) None
- Better educational opportunities & access to quality schools are also a \_\_\_\_\_ in rural urban migration.  
a) steps b) principles c) planner d) factor
- Political \_\_\_\_\_ & conflicts can also drive migration from rural to urban areas.

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Nagpur.



a) instability b) security c) sound d) changes

14. One of the most effective ways to reduce rural-urban migration is to improve \_\_\_\_\_ in rural areas.  
a) non living b) energy c) livelihood d) None

15. Reasons behind migration of rural people to urban area:  
a) poverty b) Agriculture factors c) Improved technology & communication d) All of the above

16. Providing access to quality education & health care opportunities in rural areas can also help to \_\_\_\_\_ migration.  
a) reduce b) increase c) enlarge d) detail

17. Technology has a profound impact on rural India, improving access to information, \_\_\_\_\_ & Government services.  
a) information b) poor skills c) communication d) None

18. \_\_\_\_\_ is the backbone of the rural economy in India & technology had a major impact on this sector.  
a) non rural b) agriculture c) Irrigation d) All of the above

19. Education technology has played a crucial role in rural India, helping to bridge the gap in access to education between \_\_\_\_\_  
a) urban areas b) rural areas c) semirural areas d) urban & rural areas

20. Opportunities in rural technology in India are:  
a) Agriculture technology b) Entrepreneurship c) Digital infrastructure d) All of the above

21. The development of rural technology in India is essential to empower rural areas & bring about \_\_\_\_\_ change.  
a) positive b) Negative c) doubtful d) unfavourable

22. Despite the potential for rural technology to bring about positive change in rural areas, there are several \_\_\_\_\_ that can limit its growth & impact.  
a) awareness b) constraints c) suggestions d) growth

23. Key constraints in the growth of rural technology in India are :  
a) lack of awareness b) Lack of access of technology c) Inadequate infrastructure  
d) All of the above

24. Limited resources including funding can constrain the growth of rural technology in India.  
a) true b) false c) partially true d) partially false

25. The Government of Maharashtra on \_\_\_\_\_ implemented the "Mission Shakti" scheme issued by Central Government.  
a) 16<sup>th</sup> Jan 2023 b) 17<sup>th</sup> Jan 2023 c) 18<sup>th</sup> Jan 2023 d) 19<sup>th</sup> Jan 2023

26. The components of Mission Shakti are:  
a) Women helpline b) Beti bachao, beti padhao scheme c) Nari Adalat d) All of the above

27. Maharashtra Lek Ladki scheme launched in the year:

*N. S. Joshi*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



a) 2023 b) 2020 c) 2021 d) 2022

28. The objective of the National Rurban Mission (NruM) is to stimulate local economic development, enhance basic services & create well planned Rurban clusters.  
a) False b) true c) Partially true d) partially false

29. National Rurban was launched on:

a) 21<sup>st</sup> Feb. 2017 b) 21<sup>st</sup> Feb. 2018 c) 21<sup>st</sup> Feb. 2016 d) 21<sup>st</sup> Feb. 2019

30) Mission Antodaya aims to coverage various schemes for holistic development in rural areas.

a) true b) false c) partially true d) partially false

*N. Anubh*  
Off. Principal  
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**CERTIFICATE COURSE IN RURAL DEVELOPMENT**

Academic Session: 2023-2024

**MARKSHEET**

**Total Marks: 100**

(Marks obtained in Theory, Internal Assessment & Practical Exam)

Sr. No.	Name of Students	Theory (60)	Internal Assessment (20)	Practical Exam. (20)	Total (100)	In Words	Grade
1	Ms. Adiba Aziz Khan	44	19	17	80	Eighty	A
2	Ms. Areeba Hanif Dosani	44	19	17	80	Eighty	A
3	Ms. Avantika B. Chavde	46	20	20	86	Eighty Six	A
4	Ms. Chandani C. Dhongde	30	17	17	64	Sixty Four	A
5	Ms. Divya K. Singanjude	52	18	17	87	Eighty Seven	A
6	Ms. Divyani D. Waghade	50	18	18	86	Eighty Six	A
7	Ms. Gayatri N. Agade	54	18	18	92	Ninety Two	A
8	Ms. Hasina Bano Ahmad Khan	52	19	19	90	Ninety	A
9	Ms. Humera Fatema Mushtaque Khan	44	19	19	82	Eighty Two	A
10	Ms. Karishma K. Nandanwar	50	20	20	90	Ninety	A
11	Ms. Krutika A. Shende	46	18	17	81	Eighty One	A
12	Ms. Mahvish Anjum Riysat Khan	28	17	18	63	Sixty Three	A
13	Ms. Midhat Rizwan Raja	44	16	17	77	Seventy Seven	A

*Nawabli*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



14	Ms. Nabiha Fatma Mohammad Shahzad	38	19	18	75	Seventy Five	A
15	Ms. Nita T. Meshram	52	18	17	87	Eighty Seven	A
16	Ms. Pratiksha G. Patil	46	20	18	84	Eighty Four	A
17	Ms. Rutuja A. Dandekar	42	19	18	79	Seventy nine	A
18	Ms. Shruti V. Mohdure	52	18	17	87	Eighty Seven	A
19	Ms. Srushti V. Sorte	40	18	17	75	Seventy Five	A

*A.S. Dhoble*

(Dr. Mrs. A. S. Dhoble)  
Course Coordinator

*Pravin Charde*

(Prof. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya,  
Nagpur

*N. Dhoble*  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



NAAC RE-ACCREDITED WITH 'A' GRADE

## **SEVADAL MAHILA MAHAVIDYALAYA**

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

Date: 15-02-2024

### **NOTICE**

It is informed that Department of Home Science Extension Education are hereby informed that the meeting regarding the Certificate course in "Rural Development" has been scheduled on 20-02-2024 at 3.00 pm at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of Dr. A.P.Lambat, NAAC Coordinator.

Agenda of the meeting:

1. To confirm the minutes of the last meeting.
2. To review the progress of the course "Rural Development".
3. Any other matter with the permission of the Chair.

*A.S. Dhoble*

Dr. Mrs. A. S. Dhoble  
Course Coordinator  
Rural Development

*Pravin Charde*

Prof. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur

Copy to:  
Asst. Prof. Dr. A.P. Lambat, NAAC Coordinator

*NA Dhoble*

Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.



NAAC RE-ACCREDITED WITH 'A' GRADE

# SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher learning & Research (Research Academy)  
Sakkardara Chowk, Umrer Road, Nagpur-440024

## Minutes of the Meeting 07.09.2023 Certificate Course in 'Rural Development'

The meeting regarding the Certificate Course in 'Rural Development' was held on 20.02.2024 at 2.00 pm in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

### Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the progress of the course 'Rural Development'.
- 3) Any other matter with the permission of the Chair.

Following Members were present.

- |                                      |                    |
|--------------------------------------|--------------------|
| 1) <u>Dr. Pravin Charde,</u>         | Chairman           |
| 2) <u>Asst. Prof. Dr. A.P.Lambat</u> | IQAC Coordinator   |
| 3) <u>Prof. A. S. Dhoble</u>         | Course Coordinator |

Dr. Mrs. A. S. Dhoble, Course Coordinator acted as secretary in the meeting. The Coordinator welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with the permission of chairperson. The Coordinator read out the agenda of the meeting and subsequently discussed the points according to the agenda of the meeting.

- 1) Item No.1: To confirm the minutes of the last meeting.

Resolution: The minutes of the last meeting held on 07.09.2023 were read by the course coordinator and after through discussion the minutes were unanimously approved.

- 2) Item No.2: To review the progress of framing the syllabus of 'Rural Development'.

Resolution: Course Coordinator presented Exam result of the Certificate Course in Rural Development. It was approved unanimously.

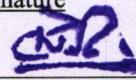
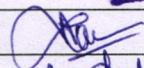
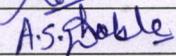
*N. Dhoble*



3) Item No.3: Any other matter with the permission of Chair.

Resolution: Hon'ble Principal Sir instructed to distribute certificates to the students on the accomplishment of Certificate course.

As there was no matter to discuss, the meeting was concluded with vote of thanks by the coordinator of the course.

<u>Name</u>	<u>Signature</u>
4. Hon'ble Dr. Pravin Charde	
5. Dr. A.P.Lambat	
6. Mrs. A. S. Dhoble	

Nagpur  
Off. Principal  
Sevadal Mahila Mahavidyalaya  
Nagpur.





Sevadal Shikshan Sanstha's  
NAAC RE-ACCREDITED WITH 'A' GRADE

# Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur-440024

## Certificate of Completion

This certificate is awarded to

*Ms. Chandni C. Dhongde*

she has successfully completed the Certificate Course in

*"Rural Development",*

conducted by the Department of Home Science Extension Education (Home Science).

Date : 30/04/2024

Sevadal Mahila Mahavidyalaya  
Nagpur,  
Off. Principal  
Nirupama S. Dhoble



*A.S. Dhoble*

**Dr. Mrs. Aparna S. Dhoble**  
Course Coordinator

*Nirupama S. Dhoble*

**Prof. (Mrs.) Nirupama S. Dhoble**  
Off. Principal  
Sevadal Mahila Mahavidyalaya, Nagpur



Sevadal Shikshan Sanstha's  
NAAC RE-ACCREDITED WITH 'A' GRADE

**Sevadal Mahila Mahavidyalaya**

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur -440024

## *Certificate of Completion*

**This certificate is awarded to**

*Ms.* KARISHMA K. NANDANWAR

she has successfully completed the Certificate Course in

**"Rural Development"**

conducted by the Department of Home Science Extension Education (Home Science)

Date : 30/04/2024

*Nawble*



*A.S. Dhoble*

**Dr. Mrs. Aparna S. Dhoble**  
Course Coordinator

*Nawble*

**Prof. (Mrs.) Nirupama S. Dhoble**  
Off. Principal  
Sevadal Mahila Mahavidyalaya, Nagpur



Sevadal Shikshan Sanstha's  
NAAC RE-ACCREDITED WITH 'A' GRADE

## Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur -440024

# Certificate of Completion

This certificate is awarded to

Ms. Pratiksha G. Patil

she has successfully completed the Certificate Course in

## "Rural Development"

conducted by the Department of Home Science Extension Education (Home Science)

Date : 30/04/2024

*A.S. Dhoble*

**Dr. Mrs. Aparna S. Dhoble**  
Course Coordinator

*N. Dhoble*

**Prof. (Mrs.) Nirupama S. Dhoble**  
Off. Principal

Sevadal Mahila Mahavidyalaya, Nagpur

Nirupama



Sevadal Shikshan Sanstha's  
NAAC RE-ACCREDITED WITH 'A' GRADE

## Sevadal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)  
Sakkardara Square, Umrer Road, Nagpur -440024

# Certificate of Completion

This certificate is awarded to

Ms. SRUSHTI V. SORTI

she has successfully completed the Certificate Course in

## "Rural Development"

conducted by the Department of Home Science Extension Education (Home Science)

Date : 30/04/2024

*A.S. Dhoble*

Dr. Mrs. Aparna S. Dhoble  
Course Coordinator

*Nirupama S. Dhoble*

Prof. (Mrs.) Nirupama S. Dhoble  
Off. Principal

Sevadal Mahila Mahavidyalaya, Nagpur

