



"Education for Knowledge, Science, and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Empowered Autonomous)**



**Value Added Course:
"Plant Systematics"**

Organized by

Department of Botany

Year

2023-2024

Plant Systematics



Department of Botany



"Dissemination of Education for Knowledge, Science and Culture"
- Shikshanmaharshi Dr Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Santha's

Vivekanand College, Kolhapur
(Empowered Autonomous)

DEPARTMENT OF BOTANY

Value Added Course: "Plant Systematics"

2023-2024

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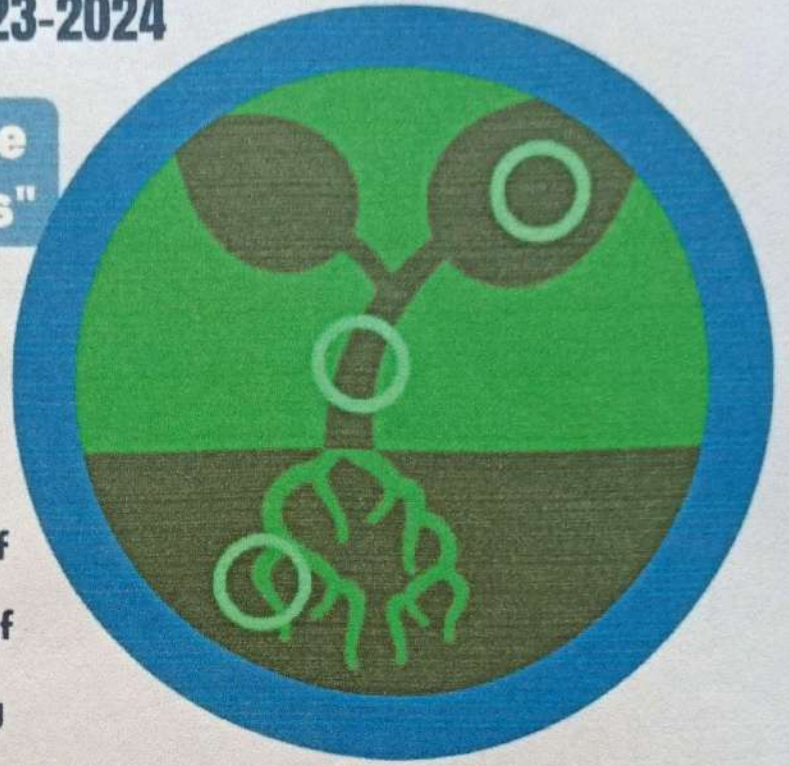


"Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Botany
2023-2024

Value Added Course "Plant Systematics"



Course outcomes:

After completion of the course,
students will be able to -

1. Understand the morphology of flowering plants
2. Remember the classification of flowering plants
3. Acquire knowledge regarding herbarium technique

DURATION: 2 MONTHS

INTAKE: 40 STUDENTS



Registration
started

Contact: 9420494379



Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Botany,

Value Added Course : " Plant Systematics"

2023-2024

1) Name of the course : Plant Systematics

2) Course Objective :

1. Understand the morphological characters of flowering plant.
2. Classify the plants on the basis of characters.
3. Acquire the knowledge regarding herbarium technique.

3) Course Outcome:

1. Students will be able to understand the morphology of flowering plants.
2. Students will be able to remember the classification of flowering plants.
3. Students will be able to acquire the knowledge regarding herbarium technique.

4) Duration of the course : 2 months

5) Expenditure : 20,000 /-

6) Intake capacity : 40 students

7) Examination Pattern : Theory and Practical

8) Syllabus : Theory

(10 hrs.)

Unit. 1: Introduction to Angiosperms.

- 1a. Study of general characters of angiosperms.
- 1b. Study of morphological characters of flowering plant.
- 1c. Study of anatomical characters of flowering plant.

Unit. 2. Taxonomy.

- 2a. Aim, importance and functions of taxonomy.
- 2b. ICBN
- 2c. Study of Natural classification system. (Bentham and Hookers system)
- 2d. Study of plant preservation technique.

Practical:

(20 hrs.)

1. Study of morphological characters of flowering plant.
2. Study of reproductive characters of flowering plant.
3. Study of different types of fruit.
4. Study of different types of seed.
5. Study of angiospermic families.



Family : Malvaceae

Family : Amaryllidaceae

6. Study of plant preservation technique.
7. Identification of plant with the help of Flora.

10) Suggested Readings:

1. Taxonomy of Angiosperms, V. N. Naik, Tata Mc Graw Hill, New York. (1994)
2. Plant Systematics, Theory and Practice, G. Singh, Oxford and IBH Pvt. Ltd., New Delhi.(1999)
3. The evolution and classification of flowering plants, A Cronquist, Thomas Nelson Ltd., London. (1968)
4. Principles of Angiosperm Taxonomy, P. H. Davis and V. H. Haywood, Oliver and Royd, London. (1963)



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Shri Swami Vivekanand Shikshan Sanstha's, Kolhapur
VIVEKANAND COLLEGE, KOLHAPUR . (AUTONOMOUS)

Date: 01/03/2023

NOTICE

Department of Botany is organizing Carrier Oriented Course entitled
"Plant Systematics" in second term which commence from 10th March 2023
(Academic year 2022-2023). Interested students can approach to Botany department for the
enrollment of the said course.

[Signature]
Head
Department of Botany
Vivekanand College
Kolhapur

1) Dept of Microbiology
B.Sc. I, II, III

2) B.Sc I (Major)
3) B.Sc. II (Botany)

[Signature]
01/03/2023
[Signature]
[Signature]



Vivekanand College, Kolhapur. (Empowered Autonomous)

Department of Botany,

Value Added Course: "Plant Systematics"

2023-2024

Sr. No.	Name of the student	Class	Mobile No.	Amount	Signature
1.	Srushti S. Kadam	BSC I	9588403050	500/-	Srushti
2.	Sakshi M. Mane	BSC I	7620227828	500/-	Sakshi
3.	Amrapali Y. Kamble	BSC I	9021768819	500/-	Amrapali
4.	Bhakti B. Shinde	BSC I	9960189136	500/-	Bhakti
5.	Mayuri R. Kale	BSC I	9623319330	500/-	Mayuri
6.	Ankita B. More	BSC I	7249495923	500/-	Ankita
7.	Rupesh S. Patil	B.S.C. I	7709946709	500/-	Rupesh
8.	Omkar R. Patil	B.S.C. I	7057632425	500/-	Omkar
9.	Dipak J. Rathod	BSC I	8668403162	500/-	Dipak
10.	Niranjan S. Kadam	BSC I	7775850321	500/-	Niranjan
11.	Sajjad R. Jamadar	BSC I	8055650067	500/-	Sajjad
12.	Kshitij R. Desai	BSC I	9172128980	500/-	Kshitij
13.	Vaishnavi S. Kumbhar	BSC I	9699782581	500/-	Vaishnavi
14.	Yash M. Powar	B.S.C. I	7499591600	500/-	Yash
15.	Vaishnavi T. Lavhate	B.S.C. I	9823492040	500/-	Vaishnavi
16.	Akshata A. Kamble	BSC I	9588699902	500/-	Akshata
17.	Samruddhi R. Powar	BSC I	8087191458	500/-	Samruddhi
18.	Sneha M. Khandekar	BSC I	9168827472	500/-	Sneha
19.	Archita C. Gharunge	B.S.C. I	8788763413	500/-	Archita
20.	Rutuja S. Kumbhar	BSC I	7620223406	500/-	Rutuja
21.	Kaveri R. Rode	BSC I	7620301155	500/-	Kaveri
22.	Dhanashree R. Sutar	B.S.C. I	7744080950	500/-	Dhanashree
23.	Sanjana D. Mane	BSC I	9142927474	500/-	Sanjana
24.	Janhavi N. Patil	BSC I	9168120716	500/-	Janhavi
25.	Sanika V. Pishte	BSC I	9209281412	500/-	Sanika
26.	Samruddhi D. Gole	BSC I	9168508019	500/-	Samruddhi
27.	Poonam A. Akkole	B.S.C. I	8994112098	500/-	Poonam
28.	Sanika K. Ugave	BSC I	7058398459	500/-	Sanika
29.	Gouri V. Gurav	BSC I	7400839125	500/-	Gouri
30.	Abhinandhan B. Patil	BSC I	7385819241	500/-	Abhinandhan
31.	Sanika N. Kamble	B.S.C. I	9322107980	500/-	Sanika
32.	Vira S. Khot	B.S.C. I	8830265223	500/-	Vira
33.	Varsha S. Pol	B.S.C. I	8010025277	500/-	Varsha
34.	Shivam V. Naik	B.S.C. I	7798141995	500/-	Shivam



35.	Shrushti P. Kamble	B.Sc III	7447619298	500/-	<i>[Signature]</i>
36.	Prasad S. Vadgaonkar	B.Sc. III	9140081203	500/-	<i>[Signature]</i>
37.	Prasad C. Kadam	BSC III	7249862903	500/-	<i>[Signature]</i>
38.	Vaishnavi R. Devane	B.Sc. III	9175405100	500/-	V.D
39.	Akash V. Nagaonkar	BSc III	9058342466	500/-	<i>[Signature]</i>
40.	Rushikaesh V. Wadar	BSC. III	7058342466	500/-	R.V. Wadar
41.	Satyajit S. Kamble	B.Sc I	8769487608	500/-	Sul
42.	Aditya D. Muthe	B.Sc III	8010336941	500/-	ADY. Muthe
43.	Soham S. Sadolkar	B.Sc III	8530814890	500/-	Soham

1) Fee Per student = 500/-

2) $500 \times 43 = 21,500/-$

[Signature]
 HEAD
 DEPARTMENT OF BOTANY
 VIVEKANAND COLLEGE, KOLHAPUR
 (EMPOWERED AUTONOMOUS)



Vivekanand College, Kolhapur. (Empowered Autonomous)

Department of Botany,

Value Added Course: "Plant Systematics"

2023-2024

Sr. No.	Name of the student	Date	Date	Date	Date	Date	Date	Date	Date
		16-10-23	17-10-23	18-10-23	19-10-23	20-10-23	25-10-23		27-10-23
1.	Srushti S. Kadam	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti
2.	Sakshi M. Mane	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
3.	Amrapali Y. Kamble	Aykrambe	Aykrambe	Aykrambe	Aykrambe	Aykrambe	Aykrambe	Aykrambe	Aykrambe
4.	Bhakti B. Shinde	Bhik.	Bhik.	Bhik.	Bhik.	Bhik.	Bhik.	Bhik.	Bhik.
5.	Mayuri R. Kale	Hale	Hale	Hale	Hale	Hale	Hale	Hale	Hale
6.	Ankita B. More	Apel	Apel	Apel	Apel	Apel	Apel	Apel	Apel
7.	Rupesh S. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
8.	Omkar R. Patil	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
9.	Dipak J. Rathod	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak
10.	Niranjan S. Kadam	Nir.	Nir.	Nir.	Nir.	Nir.	Nir.	Nir.	Nir.
11.	Sajjad R. Jamadar	Saj	Saj	Saj	Saj	Saj	Saj	Saj	Saj
12.	Kshitij R. Desai	Ksh	Ksh	Ksh	Ksh	Ksh	Ksh	Ksh	Ksh
13.	Vaishnavi S. Kumbhar	Vai	Vai	Vai	Vai	Vai	Vai	Vai	Vai
14.	Yash M. Powar	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
15.	Vaishnavi T. Lavhate	Vaite	Vaite	Vaite	Vaite	Vaite	Vaite	Vaite	Vaite
16.	Akshata A. Kamble	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh
17.	Samruddhi R. Powar	Saru	Saru	Saru	Saru	Saru	Saru	Saru	Saru
18.	Sneha M. Khandekar	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
19.	Archita C. Gharunge	Arch	Arch	Arch	Arch	Arch	Arch	Arch	Arch
	Ratna S. Kumbhar	Ratna	Ratna	Ratna	Ratna	Ratna	Ratna	Ratna	Ratna
	Kaveri R. Rode	Kaver	Kaver	Kaver	Kaver	Kaver	Kaver	Kaver	Kaver



17.10.23

17.10.23

22.	Dhanashree R. Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar
23.	Sanjana D. Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane
24.	Janhavi N. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
25.	Sanika V. Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte
26.	Samruddhi D. Gole	sejal	sejal	sejal	sejal	sejal	sejal	sejal	sejal
27.	Poonam A. Akkole	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam
28.	Sanika K. Ugave	Ugave	Ugave	Ugave	Ugave	Ugave	Ugave	Ugave	Ugave
29.	Gouri V. Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
30.	Abhinandhan B. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
31.	Sanika N. Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
32.	Vira S. Khot	Khot	Khot	Khot	Khot	Khot	Khot	Khot	Khot
33.	Varsha S. Pol	Pol	Pol	Pol	Pol	Pol	Pol	Pol	Pol
34.	Shivam V. Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik
35.	Shrushti P. Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
36.	Prasad S. Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar
37.	Prasad C. Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
38.	Vaishnavi R. Devane	Devane	Devane	Devane	Devane	Devane	Devane	Devane	Devane
39.	Akash V. Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar
40.	Rushikaesh V. Wadar	Wadar	Wadar	Wadar	Wadar	Wadar	Wadar	Wadar	Wadar
41.	Satyajit S. Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
42.	Aditya D. Muthe	Muthe	Muthe	Muthe	Muthe	Muthe	Muthe	Muthe	Muthe
43.	Soham S. Sadolkar	Sadolkar	Sadolkar	Sadolkar	Sadolkar	Sadolkar	Sadolkar	Sadolkar	Sadolkar

~~Prabhat~~

~~Wadkar~~
17/10/23

~~Wadkar~~
18/10/23

~~Prabhat~~
Jul
20/10/23

~~Wadkar~~
25/10/23

~~Prabhat~~
17/10/23

~~Jul~~
27/10/23



Vivekanand College, Kolhapur. (Empowered Autonomous)

Department of Botany,

Value Added Course: "Plant Systematics"

2023-2024

Sr. No.	Name of the student	Date	Date	Date	Date	Date	Date	Date	Date
		30/10/23	31-10-23	2-11-23	3-11-23	7-11-23	9-11-23	10-11-23	06-01-24
1.	Srushti S. Kadam	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti
2.	Sakshi M. Mane	AB	AB	AB	AB	AB	AB	AB	AB
3.	Amrapali Y. Kamble	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali
4.	Bhakti B. Shinde	AB	AB	AB	AB	AB	AB	AB	AB
5.	Mayuri R. Kale	AB	AB	AB	AB	AB	AB	AB	AB
6.	Ankita B. More	AB	AB	AB	AB	AB	AB	AB	AB
7.	Rupesh S. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
8.	Omkar R. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
9.	Dipak J. Rathod	Rathod	Rathod	Rathod	Rathod	Rathod	Rathod	Rathod	Rathod
10.	Niranjan S. Kadam	AB	AB	AB	AB	AB	AB	AB	AB
11.	Sajjad R. Jamadar	AB	AB	AB	AB	AB	AB	AB	AB
12.	Kshitij R. Desai	AB	AB	AB	AB	AB	AB	AB	AB
13.	Vaishnavi S. Kumbhar	AB	AB	AB	AB	AB	AB	AB	AB
14.	Yash M. Powar	AB	AB	AB	AB	AB	AB	AB	AB
15.	Vaishnavi T. Lavhate	AB	AB	AB	AB	AB	AB	AB	AB
16.	Akshata A. Kamble	AB	AB	AB	AB	AB	AB	AB	AB
17.	Samruddhi R. Powar	AB	AB	AB	AB	AB	AB	AB	AB
18.	Sneha M. Khandekar	AB	AB	AB	AB	AB	AB	AB	AB
19.	Arshita C. Gharunge	Arshita	Arshita	Arshita	Arshita	Arshita	Arshita	Arshita	Arshita
20.	Rutuja S. Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
21.	Kavita R. Konde	AB	AB	AB	AB	AB	AB	AB	AB



Arshita

22.	Dhanashree R. Sutar	<u>Sutar</u>	<u>Sutar</u>	<u>Sutar</u>		<u>Sutar</u>	<u>Sutar</u>	<u>Sutar</u>	<u>Sutar</u>
23.	Sanjana D. Mane	<u>Gomane</u>	<u>Gomane</u>	<u>Gomane</u>	<u>Gomane</u>		<u>Gomane</u>	<u>Gomane</u>	<u>Gomane</u>
24.	Janhavi N. Patil	<u>Sati</u>	<u>Sati</u>	<u>Sati</u>	<u>Sati</u>	<u>Sati</u>	<u>Sati</u>	<u>Sati</u>	<u>Sati</u>
25.	Sanika V. Pishte	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>
26.	Samruddhi D. Gole	<u>Sejal</u>	<u>Sejal</u>	<u>Sejal</u>		<u>Sejal</u>	<u>Sejal</u>	<u>Sejal</u>	<u>Sejal</u>
27.	Poonam A. Akkole	<u>Poonakole</u>	<u>Poonakole</u>	<u>Poonakole</u>	<u>Poonakole</u>	<u>Poonakole</u>	<u>Poonakole</u>	<u>Poonakole</u>	<u>Poonakole</u>
28.	Sanika K. Ugave	<u>Skugave</u>	<u>Skugave</u>	<u>Skugave</u>	<u>Skugave</u>	<u>Skugave</u>	<u>Skugave</u>	<u>Skugave</u>	<u>Skugave</u>
29.	Gouri V. Gurav	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>
30.	Abhinandhan B. Patil	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>		<u>Patil</u>
31.	Sanika N. Kamble	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
32.	Vira S. Khot	<u>Vekhot</u>	<u>Vekhot</u>	<u>Vekhot</u>	<u>Vekhot</u>	<u>Vekhot</u>	<u>Vekhot</u>	<u>Vekhot</u>	<u>Vekhot</u>
33.	Varsha S. Pol	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>
34.	Shivam V. Naik	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>
35.	Shrushti P. Kamble	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
36.	Prasad S. Vadgaonkar	<u>Vadgaonkar</u>	<u>Vadgaonkar</u>	<u>Vadgaonkar</u>	<u>Vadgaonkar</u>	<u>Vadgaonkar</u>	<u>Vadgaonkar</u>	<u>Vadgaonkar</u>	<u>Vadgaonkar</u>
37.	Prasad C. Kadam	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>	<u>Kadam</u>
38.	Vaishnavi R. Devane	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>
39.	Akash V. Nagavkar	<u>Atan</u>	<u>Atan</u>	<u>Atan</u>	<u>Atan</u>	<u>Atan</u>	<u>Atan</u>	<u>Atan</u>	<u>Atan</u>
40.	Rushikaesh V. Wadar	<u>Rinwade</u>	<u>Rinwade</u>	<u>Rinwade</u>	<u>Rinwade</u>	<u>Rinwade</u>	<u>Rinwade</u>	<u>Rinwade</u>	<u>Rinwade</u>
41.	Satyajit S. Kamble	<u>Sul</u>	<u>Sul</u>	<u>Sul</u>	<u>Sul</u>	<u>Sul</u>	<u>Sul</u>	<u>Sul</u>	<u>Sul</u>
42.	Aditya D. Muthe	<u>ADMuthe</u>		<u>ADMuthe</u>	<u>ADMuthe</u>	<u>ADMuthe</u>	<u>ADMuthe</u>		<u>ADMuthe</u>
43.	Soham S. Sadolkar	<u>Soham</u>	<u>Soham</u>	<u>Soham</u>	<u>Soham</u>	<u>Soham</u>	<u>Soham</u>	<u>Soham</u>	<u>Soham</u>

S. Wadkar
30/10/23

Pol
31-10-23

Ashubhase
2-11-23

Jur
03/11/2023

Pol
7-11-23

S. Wadkar
09/11/23

Prapatil
10/11/2023

Ashubhase
06-11-24



Vivekanand College, Kolhapur. (Empowered Autonomous)

Department of Botany,

Value Added Course: "Plant Systematics"

2023-2024

Sr. No.	Name of the student	Date	Date	Date	Date	Date	Date	Date	Date
1.	Srushti S. Kadam	7-01-24	8-1-24	9-1-24	10-01-24	11-1-24	12-1-24	13-01-24	14-01-24
2.	Sakshi M. Mane	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
3.	Amrapali Y. Kamble	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali	Amrapali
4.	Bhakti B. Shinde	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti
5.	Mayuri R. Kale	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
6.	Ankita B. More	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita
7.	Rupesh S. Patil	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh
8.	Omkar R. Patil	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
9.	Dipak J. Rathod	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak
10.	Niranjan S. Kadam	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan
11.	Sajjad R. Jamadar	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad
12.	Kshitij R. Desai	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij
13.	Vaishnavi S. Kumbhar	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
14.	Yash M. Powar	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
15.	Vaishnavi T. Lavhate	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
16.	Akshata A. Kamble	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata
17.	Samruddhi R. Powar	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi
18.	Sneha M. Khandekar	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
19.	Archita C. Gharunge	Archita	Archita	Archita	Archita	Archita	Archita	Archita	Archita
20.	Butuja S. Kumbhar	Butuja	Butuja	Butuja	Butuja	Butuja	Butuja	Butuja	Butuja
21.	Kaveri R. Rode	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri



22.	Dhanashree R. Sutar	Sutar	Sutar	Sutar		Sutar	Sutar		Sutar
23.	Sanjana D. Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane
24.	Janhavi N. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
25.	Sanika V. Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte	S.V.Pishte
26.	Samruddhi D. Gole	sejal	sejal	sejal	sejal	sejal	sejal	sejal	sejal
27.	Poonam A. Akkole	Pakkole	Pakkole	Pakkole	Pakkole	Pakkole	Pakkole	Pakkole	Pakkole
28.	Sanika K. Ugave	Skugave	Skugave	Skugave	Skugave	Skugave	Skugave	Skugave	Skugave
29.	Gouri V. Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
30.	Abhinandhan B. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
31.	Sanika N. Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
32.	Vira S. Khot	Vskhot	Vskhot	Vskhot	Vskhot	Vskhot	Vskhot	Vskhot	Vskhot
33.	Varsha S. Pol	Pol	Pol	Pol	Pol	Pol	Pol	Pol	Pol
34.	Shivam V. Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik
35.	Shrushti P. Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
36.	Prasad S. Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar	Vadgaonkar
37.	Prasad C. Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
38.	Vaishnavi R. Devane	Devane	Devane	Devane	Devane	Devane	Devane	Devane	Devane
39.	Akash V. Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar	Nagavkar
40.	Rushikaesh V. Wadar	R.V.Wadar	R.V.Wadar	R.V.Wadar	R.V.Wadar	R.V.Wadar	R.V.Wadar	R.V.Wadar	R.V.Wadar
41.	Satyajit S. Kamble	S.Kamble	S.Kamble	S.Kamble	S.Kamble	S.Kamble	S.Kamble	S.Kamble	S.Kamble
42.	Aditya D. Muthe	ADithe	ADithe	ADithe	ADithe	ADithe	ADithe	ADithe	ADithe
43.	Soham S. Sadolkar	Soham	Soham	Soham	Soham	Soham	Soham	Soham	Soham



Prapatil 07/10/24
 S. 1. 24
 Wadkar 09/01/24
 Chavhan 10-1-24
 Chavhan 11-01-24
 Chavhan 12-01-24
 Jul 13/1/24
 Prapatil 14/01/2024

Vivekanand College, Kolhapur. (Empowered Autonomous)

Department of Botany,

Value Added Course: "Plant Systematics"

2023-2024

Sr. No.	Name of the student	Date	Date	Date	Date	Date	Date	Date	Date
		15/01/24	16/01/24	17/01/24	22-1-24	24-1-24	28-01-24	29-01-24	30-1-24
1.	Srushti S. Kadam	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti
2.	Sakshi M. Mane	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
3.	Amrapali Y. Kamble	Amrapali Y. Kamble	Amrapali Y. Kamble	Amrapali Y. Kamble	Amrapali Y. Kamble	Amrapali Y. Kamble	Amrapali Y. Kamble	Amrapali Y. Kamble	Amrapali Y. Kamble
4.	Bhakti B. Shinde	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti
5.	Mayuri R. Kale	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
6.	Ankita B. More	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita
7.	Rupesh S. Patil	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh
8.	Omkar R. Patil	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
9.	Dipak J. Rathod	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak
10.	Niranjana S. Kadam	Niranjana	Niranjana	Niranjana	Niranjana	Niranjana	Niranjana	Niranjana	Niranjana
11.	Sajjad R. Jamadar	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad	Sajjad
12.	Kshitij R. Desai	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij
13.	Vaishnavi S. Kumbhar	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
14.	Yash M. Powar	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
15.	Vaishnavi T. Lavhate	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
16.	Akshata A. Kamble	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata
17.	Samruddhi R. Powar	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi
18.	Sneha M. Khandekar	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
19.	Archita C. Gharunge	Archita	Archita	Archita	Archita	Archita	Archita	Archita	Archita
	Rufina S. Kumbhar	Rufina	Rufina	Rufina	Rufina	Rufina	Rufina	Rufina	Rufina
	21ES Kaveri Rode	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri	Kaveri



16/01/24

22.	Dhanashree R. Sutar	<u>Sutar</u>	<u>Sutar</u>	<u>Sutar</u>		<u>Sutar</u>	<u>Sutar</u>	<u>Sutar</u>	<u>Sutar</u>
23.	Sanjana D. Mane	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>	<u>Mane</u>
24.	Janhavi N. Patil	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
25.	Sanika V. Pishte	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>	<u>S.V.Pishte</u>
26.	Samruddhi D. Gole	<u>sejal</u>	<u>sejal</u>	<u>sejal</u>	<u>sejal</u>	<u>sejal</u>	<u>sejal</u>	<u>sejal</u>	<u>sejal</u>
27.	Poonam A. Akkole	<u>Poonam Akkole</u>	<u>Poonam Akkole</u>	<u>Poonam Akkole</u>	<u>Poonam Akkole</u>	<u>Poonam Akkole</u>	<u>Poonam Akkole</u>	<u>Poonam Akkole</u>	<u>Poonam Akkole</u>
28.	Sanika K. Ugave	<u>SK Ugave</u>	<u>SK Ugave</u>	<u>SK Ugave</u>	<u>SK Ugave</u>	<u>SK Ugave</u>	<u>SK Ugave</u>	<u>SK Ugave</u>	<u>SK Ugave</u>
29.	Gouri V. Gurav	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>
30.	Abhinandhan B. Patil	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
31.	Sanika N. Kamble	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
32.	Vira S. Khot	<u>Vskhot</u>	<u>Vskhot</u>	<u>Vskhot</u>	<u>Vskhot</u>	<u>Vskhot</u>	<u>Vskhot</u>	<u>Vskhot</u>	<u>Vskhot</u>
33.	Varsha S. Pol	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>
34.	Shivam V. Naik	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>	<u>Naik</u>
35.	Shrushti P. Kamble	<u>Shrushti Kamble</u>	<u>Shrushti Kamble</u>	<u>Shrushti Kamble</u>	<u>Shrushti Kamble</u>	<u>Shrushti Kamble</u>	<u>Shrushti Kamble</u>	<u>Shrushti Kamble</u>	<u>Shrushti Kamble</u>
36.	Prasad S. Vadgaonkar	<u>Prasad S. Vadgaonkar</u>	<u>Prasad S. Vadgaonkar</u>	<u>Prasad S. Vadgaonkar</u>	<u>Prasad S. Vadgaonkar</u>	<u>Prasad S. Vadgaonkar</u>	<u>Prasad S. Vadgaonkar</u>	<u>Prasad S. Vadgaonkar</u>	<u>Prasad S. Vadgaonkar</u>
37.	Prasad C. Kadam	<u>Prasad C. Kadam</u>	<u>Prasad C. Kadam</u>	<u>Prasad C. Kadam</u>	<u>Prasad C. Kadam</u>	<u>Prasad C. Kadam</u>	<u>Prasad C. Kadam</u>	<u>Prasad C. Kadam</u>	<u>Prasad C. Kadam</u>
38.	Vaishnavi R. Devane	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>	<u>V.D</u>
39.	Akash V. Nagavkar	<u>Akash V. Nagavkar</u>	<u>Akash V. Nagavkar</u>	<u>Akash V. Nagavkar</u>	<u>Akash V. Nagavkar</u>	<u>Akash V. Nagavkar</u>	<u>Akash V. Nagavkar</u>	<u>Akash V. Nagavkar</u>	<u>Akash V. Nagavkar</u>
40.	Rushikaesh V. Wadar	<u>R.V. Wadar</u>	<u>R.V. Wadar</u>	<u>R.V. Wadar</u>	<u>R.V. Wadar</u>	<u>R.V. Wadar</u>	<u>R.V. Wadar</u>	<u>R.V. Wadar</u>	<u>R.V. Wadar</u>
41.	Satyajit S. Kamble	<u>S.S. Kamble</u>	<u>S.S. Kamble</u>	<u>S.S. Kamble</u>	<u>S.S. Kamble</u>	<u>S.S. Kamble</u>	<u>S.S. Kamble</u>	<u>S.S. Kamble</u>	<u>S.S. Kamble</u>
42.	Aditya D. Muthe	<u>Aditya D. Muthe</u>	<u>Aditya D. Muthe</u>	<u>Aditya D. Muthe</u>	<u>Aditya D. Muthe</u>	<u>Aditya D. Muthe</u>	<u>Aditya D. Muthe</u>	<u>Aditya D. Muthe</u>	<u>Aditya D. Muthe</u>
43.	Soham S. Sadolkar	<u>Soham S. Sadolkar</u>	<u>Soham S. Sadolkar</u>	<u>Soham S. Sadolkar</u>	<u>Soham S. Sadolkar</u>	<u>Soham S. Sadolkar</u>	<u>Soham S. Sadolkar</u>	<u>Soham S. Sadolkar</u>	<u>Soham S. Sadolkar</u>

15/1/24

16/1/24

17/1/24

22/1/24

24/1/24

28/1/24

29/1/24

30/1/24



VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS).

Department of Botany

Value Added Course: "Plant Systematics"

Instructions:- 1. All questions are compulsory
2. Each question carries two marks

Total Marks:-50M

Q1. Choose correct alternative.

1. Reticulate venations are observed in.....
a) Monocot b) Dicot c) Both a and b d) None of these
2. The band like structure present in the radial and transverse walls of the endodermal cells are called.....
a) Casparian strips b) Xylem c) Phloem d) Pericycle
3. The term Taxonomy was first introduced by.....
a) A.P. de Candolle b) Rolf Dahlgren c) Takhtajan d) Chris Chadwick
4. proposed the binomial nomenclature system. .
a) Perry John b) Chris Chadwick c) Carl Linnaeus d) Whittaker
5. Monocot flowers have floral parts in series of.....
a) 3 b) 4 c) 5 d) 6
6. Herbarium is a ----- technique of plant preservation.
a) wet b) dry c) gas d) both dry and wet
7. Following.....is a special type of inflorescence.
a) Verticillaster b) Receme c) Cyme d) Umbel
8. Naming a plant is called.....
a) Systematic botany b) Nomenclature c) Taxonomy d) Cytology
9.type of flowers has equal symmetry.
a) Zygomorphic b) Actinomorphic c) Both a and b d) None of these
10. Increase in the girth or thickness of stem or root is known as.....
a) Medullary rays b) Secondary growth c) Primary growth d) None of these
11. Natural system of classification was proposed by -----.
a) Bentham & Hooker b) Carl Linnaeus
c) Chris Chadwick d) T. Cook
12. Angiosperms are also known as -----.
a) flowering plants b) non flowering plant c) cryptogams d) nonvascular plants



13. Flower is specially designed for ----- type of reproduction.
 a) vegetative b) asexual c) sexual d) both b & c
14. In gamopetalous flowers petals are -----.
 a) free b) petaloid c) many d) fused
15. ----- chemical is most suitable for wet preservation.
 a) Acetic acid b) HCL c) Formalin d) Cotton blue
16. ----- is a basic unit of classification.
 a) Genus b) Species c) Family d) Kingdom
17. Scattered vascular bundles are present in
 a) Mango leaf b) Maize root c) Sunflower leaf d) Maize stem
18. is not covered under taxonomy.
 a) Alpha Taxonomy b) Beta Taxonomy c) Delta Taxonomy d) Gamma Taxonomy
19. is not the rule of ICBN.
 a) Generic and specific names should be written starting with small letters
 b) Hand written scientific names should be underlined
 c) Every species should have a generic name and specific epithet
 d) Scientific names are in Latin and should be italicized.
20. Tetrarch vascular bundles are present present in
 a) Sunflower root b) Sunflower stem c) Maize stem d) Maize root
21. Bentham and Hookers consist of ----- no. of classes in his classification system.
 a) 3 b) 4 c) 2 d) 1
22. In maize leaf patches of sclerenchyma are present above and below the large vascular bundles.
 a) One b) Two c) Three d) Four
23. In botanical nomenclature the first name is known as -----.
 a) family b) genus c) species d) authority
24. In angiosperms the endosperm is ----- in nature.
 a) haploid b) diploid c) triploid d) tetraploid
25. ----- fertilization is common in angiosperms.
 a) Single b) Double c) Triple d) Tetra



38/50

Roll No : 101

332

"Dissemination of Education for Knowledge, Science and Culture."
- Shikshanmaharshi Dr. Bapuji Salunkhe

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS).

Department of Botany

Value Added Course: "Plant Systematics"

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- ✗ 18. is not covered under taxonomy.
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Department of Botany

Value Added Course: "Plant Systematics"

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 ✓ a) Generic and specific names should be written starting with small letters
 b) Hand written scientific names should be underlined
 c) Every species should have a generic name and specific epithet
 d) Scientific names are in Latin and should be italicized.
- ✗ 20. Tetrach vascular bundles are present present in
 a) Sunflower root b) Sunflower stem ✓ c) Maize stem d) Maize root
- ✗ 21. Bentham and Hookers consist of ----- no. of classes in his classification system.
 ✓ a) 3 b) 4 c) 2 d) 1
- ✗ 22. In maize leaf patches of sclerenchyma are present above and below the large vascular bundles.
 a) One b) Two c) Three ✓ d) Four
- ✓ 23. In botanical nomenclature the first name is known as -----.
 a) family ✓ b) genus c) species d) authority
- ✗ 24. In angiosperms the endosperm is ----- in nature.
 ✓ a) haploid b) diploid c) triploid d) tetraploid
- ✓ 25. ----- fertilization is common in angiosperms.
 a) Single ✓ b) Double c) Triple d) Tetra



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 Department of Botany
Value Added Course: "Plant Systematics"
 2023- 2024

Sr. No.	Roll Number	Name of the student	Grade
1	101	Srushti S. Kadam	A
2	102	Sakshi M. Mane	A
3	103	Amrapali Y. Kamble	A
4	104	Bhakti B. Shinde	B ⁺
5	105	Mayuri R. Kale	B
6	106	Ankita B. More	B ⁺
7	107	Rupesh S. Patil	A ⁺
8	108	Omkar R. Patil	A
9	109	Dipak J. Rathod	C
10	110	Niranjan S. Kadam	A
11	111	Sajjad R. Jamadar	B ⁺
12	112	Kshitij R. Desai	A
13	113	Vaishnavi S. Kumbhar	A
14	114	Yash M. Powar	B ⁺
15	115	Vaishnavi T. Lavhate	B ⁺
16	116	Akshata A. Kamble	B ⁺
17	117	Samruddhi R. Powar	B ⁺
18	118	Sneha M. Khandekar	B ⁺
19	119	Archita C. Gharunge	B
20	120	Rutuja S. Kumbhar	A
21	121	Kaveri R. Rode	B ⁺
22	122	Dhanashree R. Sutar	B
23	123	Sanjana D. Mane	B ⁺
24	124	Janhavi N. Patil	A
25	125	Sanika V. Pishte	A
26	126	Samruddhi D. Gole	A
27	127	Poonam A. Akkole	A
28	128	Sanika K. Ugave	A ⁺
29	129	Gouri V. Gurav	A
30	130	Abhinandhan B. Patil	B
31	131	Sanika N. Kamble	B
32	132	Vira S. Khot	A



33	133	Varsha S. Pol	B ⁺
34	134	Shivam V. Naik	B ⁺
35	135	Shrushti P. Kamble	A ⁺
36	136	Prasad S. Vadgaonkar	A
37	137	Prasad C. Kadam	A
38	138	Vaishnavi R. Devane	B ⁺
39	139	Akash U. Nagaonkar	A
40	140	Rushikaesh V. Wadar	B ⁺
41	141	Satyajit S. Kamble	B ⁺
42	142	Aditya D. Muthe	A
43	143	Soham S. Sadolkar	A

Examiners: 1) Dr. Alvikar. A.R.

2) Dr. Jadhav P.P.

Coordinator:

HEAD

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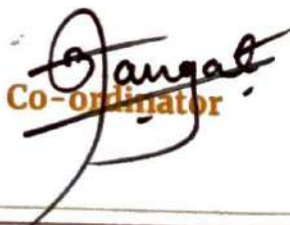
Certificate

This is to certify that

Mr. / M^{rs}. Rupesh S. Patil

has Passed the Value Added Course in "Plant Systematics"
with "A+"

grade in the month of March Year 2024. The said
certificate has been issued to him/ her at the Department of Botany
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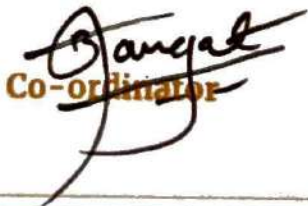
Certificate

This is to certify that

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with 'B'

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has Passed the Value Added Course in "Plant Systematics"

with 'A'

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