

Rayat Shikshan Sanstha's **D. P. Bhosale College, Koregaon**

Department of Zoology

INDEX

Add on Certificate Course on Sericulture

Year 2021-22

Sr. No.	Content
1	Notice
2	Syllabus
3	Objectives and Learning Outcomes
4	Time Table
5	List of Participants
6	Attendance
7	Question Paper
8	Result
9	Report
10	Certificate



D.P. Bhosale College, Koregaon

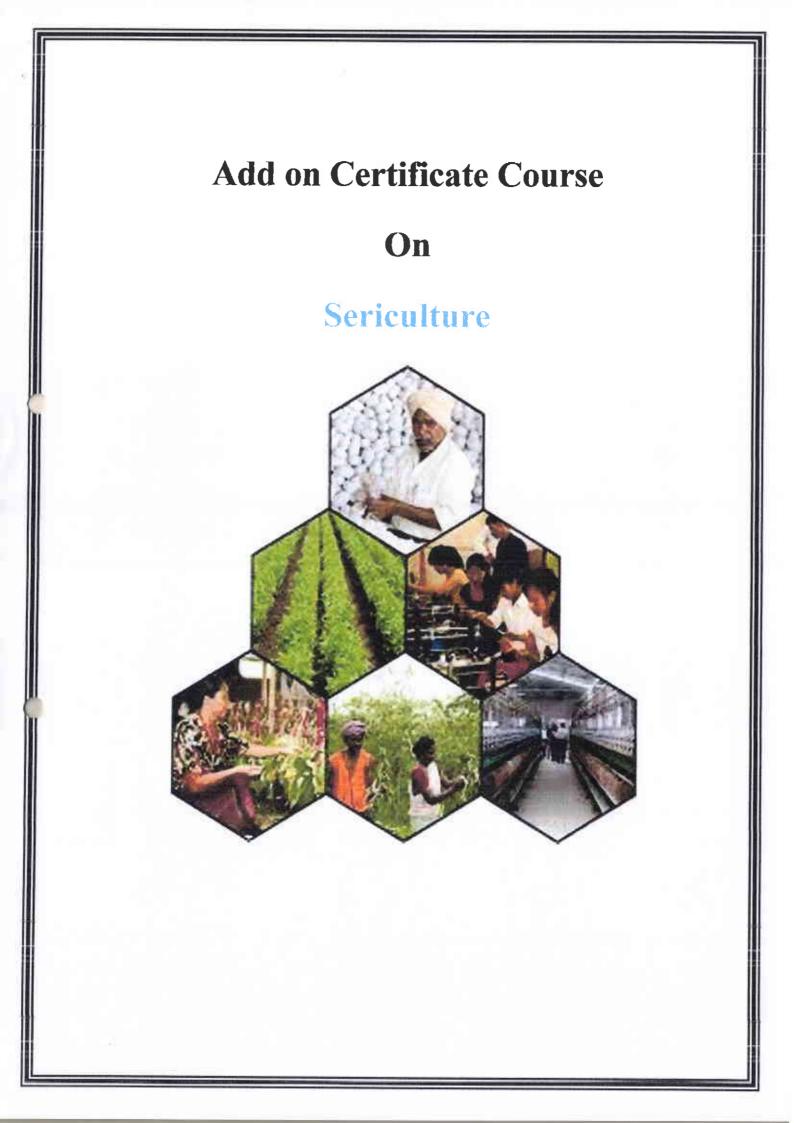
Department of Zoology

NOTICE 2021-22

Date:- 01/12/2022

All the students of B. Sc. II & III are here by informed that Department has organized "Add on Certificate Course on Sericulture" from Monday 6th December 2021. All students are informed that they should remain present for course on time. It may clearly noted that fine will be collected from absent students.

Department of Zoology







D.P. Bhosale College, Koregaon



Add on Certificate Course

On

Sericulture

Organized by

Department of Zoology

Course Incharge

Mr. Jawale C. B.

Course Duration: 06 Dec. 2021–10 Jan. 2022

D.P. Bhosale College, Koregaon

Syllabus

Title – Add on Certificate Course on Sericulture

Total Hrs-30

B. Sc. II & III (Zoology)

Theory

Nutritional Planning

- Life cycle of Bombyx mori- Morphology of egg, larva, pupa and adult of Bombyx mori
- Morphology and anatomical structure of Silk gland
- Rearing house: Location, orientation, plan and utilities; model rearing house; low-cost rearing house
- Chawki rearing: Preparation; brushing and its methods; types of chawki rearing traditional and improved method; optimum environmental conditions; methods and frequency of feeding; methods of bed cleaning; spacing; moulting and care during moult.
- Late age silkworm rearing: Methods; optimum environmental conditions; feeding quantity and frequency; methods of bed cleaning; spacing; moulting and care during moult.
- Brushing: Methods; chawki rearing; use of paraffin paper and blue polythene sheet. Bed cleaning: use of bed cleaning net and disposal of bed refuses and silkworm litter.
- Moulting: Identification of moulting larva, care during moulting; mounting and mounting density; harvesting of cocoons; assessment of cocoons; types of mountages; Maintenance of records for silkworm rearing.
- Introduction; classification of silkworm diseases.

Practicals

- Study of life cycle of Silkworm
- Choking of silkworm

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D.P. Bhosale College, Koregaon

Department of Zoology

Year : 2021 - 22

Add on Certificate Course

on

Sericulture

Objectives

- On completing the Sericulture course, students will be able to understand overall aspects of Sericulture, namely, Mulberry and non-mulberry silkworms and their food plants, Rearing of the silkworm, Silkworm pathology, Process of silkworm seed production and silk technology.
- This course creates awareness among students about the economic importance and suitability of Sericulture in Indian conditions.
- Students will get hands-on training on Mulberry nursery management, Silkworm rearing, and Silk reeling.
- Emphasizing self-employment and entrepreneurship among youths.

Learning Outcomes

- Understand concepts of sericulture industry and demonstrate interdisciplinary skills acquired in mulberry plant cultivation, silkworm rearing, diagnosis of diseases and pest of mulberry and silkworm and their prevention and its relevance in Seri-farmers livelihood.
- Demonstrating the Laboratory and field skills in mulberry cultivation and silkworm rearing with an emphasis on technological aspects.
- Competent to transfer the knowledge and technical skills to the Seri-farmers.
- Critically analyze the environmental issues and apply in management of mulberry garden and silkworm rearing at field.

Certificate Course

Department of Zoology



D.P. Bhosale College, Koregaon

Department of Zoology

Add on Certificate Course on Sericulture

Time Table - 2021-22

Theory & Practical

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30-10.15 Theory	СВЈ	SPN	KJK	NAS	СВЈ	NAS
08.30-10.30 Practical	СВЈ	SPN	KJK	NAS	СВЈ	NAS

CBJ – Mr. C. B. Jawale SPN - Dr. S. P. Nalawade KJK - Dr. K. J. Kamble Ramble NAS - Ms. N. A. Shaikh Nu

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D.P. Bhosale College, Koregaon

Department of Zoology

Add on Certificate Course on Sericulture

Time Table- 2021-22

Theory & Practical

Date	Time	Theory / Practical	Name of the teacher
06/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
07/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
08/12/2021	10-15-11.15	Theory	Dr. K.J. Kamble
09/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
10/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
11/12/2021	08.30-10.30	Practical	Dr. K.J. Kamble
13/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
14/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
15/12/2021	08.30-10.30	Practical	Dr. K.J. Kamble
16/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
17/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
18/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
20/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
21/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
22/12/2021	9.30-10.15	Theory	Dr. K.J. Kamble
23/12/2021	9.30-10.15	Theory	Ms. N. A. Shaikh
24/12/2021	08.30-10.30	Practical	Mr. C.B. Jawale
27/12/2021	9.30-10.15	Theory	Mr. C.B. Jawale
28/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
29/12/2021	9.30-10.15	Theory	Dr. K.J. Kamble
30/12/2021	08.30-10.30	Practical	Ms. N. A. Shaikh
31/12/2021	9.30-10.15	Theory	Dr. S. P. Nalawade
01/01/2022	9.30-10.15	Theory	Ms. N. A. Shaikh
3/01/2022	9.30-10.15	Theory	Mr. C.B. Jawale
)4/01/2022	9.30-10.15	Theory	Dr. S. P. Nalawade

05/01/2022	08.30-10.30	Practical	Dr. K.J. Kamble
06/01/2022	08.30-10.30	Practical	Ms. N. A. Shaikh
07/01/2022	08.30-10.30	Practical	Mr. C.B. Jawale
08/01/2022	08.30-10.30	Practical	Dr. K.J. Kamble
10/01/2022	08.30-10.30	Practical	Mr. C.B. Jawale

e Head Department of Zoology D. P. Bhosale College Koregaon



Rayat Shikshan Sanstha's D.P. Bhosale College, Koregaon Student list 2021-22 Add on Certificate Course on Sericulture

Sr. No.	Roll No	Name of the Students	
1	22653	Anbhule Bhakti Jagannath	
2	22654	Barge Rutuja Vinod	
3	22655	Barge Uddesh Pandurang	
4	22656	Bhosale Akash Hanmant	
5	22657	Bhosale Divya Datta	
6	22658	Gade Divya Ramdas	
7	22659	Ghadge Abhishek Himmat	
8	22660	Kamble Kunal Navnath	
9	22661	Londhe Nilam Subhash	
10	22662	Oswal Neelkumar Rakesh	
11	22512	Bali Shekhar Sanjay	
12	22513	Bhosale Divya Baburao	
13	22514	Gaikwad Shveta Chandrakant	
14	22515	Ghadge Abhishek Suresh	
15	22516	Ghadge Sanika Sanjay	
16	22517	Ghadge Vaishnavi Bharat	
17	22518	Ghorpade Riteek Krishnadev	
18	22519	Ghorpade Vaishnavi Arjun	
19	22520	Jadhav Vaishnavi Sunil	
20	22521	Kadam Akanksha Mahesh	
21	22522	Kondawale Dipali Shivaji	_
22	22523	Mahamuni Prabhanjay Nandkumar	
23	22524	Nikam Ankita Ramesh	
24	22525	Shedge Aruna Narayan	_
25	22526	Waghmare Sakshata Krishnat	
26	22527	Yadav Mayavati Dattatray	

Department of Zoology D. P. Bhosale College Koregaon

D.P. Bhosale College, Koregaon

STUDENT ROLL CALL

Month : December 2021

Add on Certificate course in Sericulture

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D.P. Bhosale College, Koregaon

Add on Certificate Course in Sericulture

STUDENT ROLL CALL

Month: January 2022

Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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22659	Ghadge A. H.	Grade		Ghada	Ghat	Gfat	dGPada	Gha	Gha	p.	Ghadac																					
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D. P. Bhosale College, Koregaon

Department of Zoology

Question Paper

Add on Certificate Course on Sericulture

Marks : 30

20

10

Instructions

1. All the questions are compulsory

2. Questions to the right Indicate full Marks

3. Draw neat and Labelled diagrams wherever necessary

Que. 1: Long questions (Any 2)

a. Describe in details life cycle of Bombyx mori.

b. Explain in brief Silkworm fungal diseases.

c. Explain Chouki rearing

Que. 2: Write short notes on following (Any 2)

a. Silkgland

b. Types of moutages

c. Molting in silkworm



Rayat Shikshan Sanstha's D.P. Bhosale College, Koregaon Student list 2021-22 Add on Certificate Course on Sericulture

Marklist

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Sr. No.	Roll No	Name of the Students	Que. 1 20	Que. 2 10	Total 30
1	22653	Anbhule Bhakti Jagannath	8	07	25
2	22654	Barge Rutuja Vinod	10	09	28
3	22655	Barge Uddesh Pandurang	17	06	23
4	22656	Bhosale Akash Hanmant	is	09	24
5	22657	Bhosale Divya Datta	17	58	25
6	22658	Gade Divya Ramdas	13	07	20
7	22659	Ghadge Abhishek Himmat	14	09	23
8	22660	Kamble Kunal Navnath	18	06	24
9	22661	Londhe Nilam Subhash	17	09	26
10	22662	Oswal Neelkumar Rakesh	it	09	24
11	22512	Bali Shekhar Sanjay	12	09	22
12	22513	Bhosale Divya Baburao	18	07	25
13	22514	Gaikwad Shveta Chandrakant	11	08	25
14	22515	Ghadge Abhishek Suresh	18	oq	27
15	22516	Ghadge Sanika Sanjay	17	09	26
16	22517	Ghadge Vaishnavi Bharat	18	09	27
17	22518	Ghorpade Riteek Krishnadev	15	09	24
18	22519	Ghorpade Vaishnavi Arjun	18	07	25
19	22520	Jadhav Vaishnavi Sunil	16	09	25
20	22521	Kadam Akanksha Mahesh	12	09	21
21	22522	Kondawale Dipali Shivaji	18	69	27
22	22523	Mahamuni Prabhanjay Nandkumar	17	07	21
23	22524	Nikam Ankita Ramesh	11	09	26
24	22525	Shedge Aruna Narayan	14	09	28
25	22526	Waghmare Sakshata Krishnat	10	07	25

Department of Zoology D. P. Bhosale College Koregaon



Rayat Shikshan Sanstha's D. P. Bhosale College, Koregaon

Department of Zoology

Report

Add on Certificate Course on Sericulture

As India is an agriculture-based country, there is a lot of scope in this industry. The latest advancement in technology has increased career opportunities both in private and public sectors. Sericulture provides a wide range of job prospects in academic fields, research centres, agricultural enterprises, and of course, sericulture units.

The main objectives of course are motivating the farmers to plant high yielding mulberry varieties to increase income and productivity. Imparting training in mulberry cultivation, silkworm rearing and silk reeling.

Assist in procurement of improved rearing equipment and construction of separate rearing house. Ensure supply of disease free silkworm seeds.



Guest Lecture delivered by Mr. V. S. Ghorpade

After completing this course students get knowledge about the commercial production of cocoons and understand the practices of silkworm culture and its management to produce quality cocoons.



This course was conducted during the 06th Dec. 2021 to 10th January 2022. Department of Zoology has offered this course for B.Sc. II and B.Sc. III students. For this course 25 students have been enrolled. During this period the lectures and practicals were conducted by resource faculties. In this period department has organised guest lecture of Mr. V.S. Ghorpade on Serifarming. Mr. C.B. Jawale, Dr. Mrs. S.P. Nalawade, Dr. Miss. K. J. Kamble and Miss N.A. Shaikh conducted the practicals and theory period.

The syllabus has also been framed in such a way that the basic skills of subject are taught to the students. Apply practical knowledge to become successful entrepreneur.

Head Department of Zoology D. P. Bhosale College Koregaon

