

Activity report 2024-25

Short Term Course – Sericulture: New era of farming

Name of the College - Shri Vijaysinha Yadav College, Peth Vadgaon

Name of the Organizer - Department of Zoology

Name of Skill Provider – Mr. Rohitkumar Shivaji Kadam, Ph. D. Scholar & Sericulturist

Name of the Activity - Short Term Course – Sericulture: New era of farming

Date & Time – 17 to 22 March 2025 09.30 am to 10.30 am

08 April 2025 09.30 am to 02.00 pm (Mr. Rohitkumar Shivaji Kadam)

No. of students took the advantage – 27

Objectives –

- i. To enlighten the students with agriculture based business idea.
- ii. To develop the skill of handling silk worms carefully.
- iii. To promote self employability with the application of sericulture in their farms.

Description –

Department of Zoology conducted **Short Term Course – Sericulture: New era of farming** for the science students. Total 27 students enrolled for this course. Total 06 theory lectures were conducted by 04 faculty of the department and **Practical demo** was conducted by the **Sericulture expert and Ph. D. Scholar Mr. Rohitkumar Shivaji Kadam**. The course was run between 17 and 22 March 2025. The examination of the course was conducted on 17-04-2025 at 01.00 pm to 01.30 pm. All the students successfully completed the course.

Outcome –

- i. The students got the knowledge of sericulture business.
- ii. The students got the skill of handling silk worms & obtaining silk.

Glimpses of the Practical demo by Mr. Rohitkumar Shivaji Kadam



Dr. R. H. Atigre
Coordinator & Head
Department of Zoology
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

Dr. Ashok S. Chavan
Principal
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur.

Shri Vijaysinha Yadav College, Peth Vadgaon
Name of the Department: - Zoology

Name of the Short Term Course: - Sericulture: New era of farming

❖ **Course Coordinator: - Dr. R. H. Atigre**

❖ **Faculty: -**

- i. Dr. R. H. Atigre
- ii. Dr. S. V. Maske
- iii. Dr. A. S. Pawar
- iv. Mr. S. R. Mali
- v. Mr. Manish Mahindarkar

❖ **General information of the Course**

1) Aims:

- i. To impart the knowledge of Sericulture to the pupils.
- ii. To impart knowledge of agro based applied courses to the pupil
- iii. To make the pupils self employable
- iv. To make the pupils fit for the society.

2) Objectives -

- i. To impart knowledge is the basic aim of education. The students are expected to acquire the knowledge of silkworm rearing.
- ii. Understanding the science behind silkworm rearing.
- iii. Applications of the knowledge of silkworm rearing.
- iv. To develop skills in applied zoology for income source

3. Duration: - 06 Days

4. Target Group: - B. Sc. Students

5. Intake capacity: - 30

6. Structure of Course

- i. Theory 06 hours
- ii. Demo practical 01 (04 hours)
- iii. Examination: - Total 50 Marks (Objective)

7. Scheme of Examination

Question paper will be set in the view of the / in accordance with the entire syllabus and preferably covering each unit of syllabi.

Syllabus for Short Term Course: Sericulture: New era of farming

Theory Syllabus (Total lectures 06)

1. Introduction to Sericulture	(1)
i. History of Sericulture	
ii. Scope of Sericulture	
iii. Importance of Sericulture	
2. Silk Moth	(2)
i. Types of silk moth	
ii. Morphology of mulberry silk moth	
iii. Life Cycle of silk moth	
iv. Diseases of silk moth	
v. Economic importance of silk moth	
3. Moriculture	(1)
i. Plantation of Mulberry plant	
ii. Maintenance of Mulberry plant	
iii. Disease Management	
4. Silkworm rearing	(1)
i. Introduction to Sericulture	
ii. Rearing of silk moth	
iii. Marketing of cocoons	
iv. Post harvesting process	
5. Economics of sericulture	(1)
i. Expenses for one acre mulberry plantation	
ii. Expenses for silkworm rearing	
iii. Gradation of cocoons	

Practical Syllabus (01 Demo)

- 1. Silk Moth**
- 2. Moriculture**
- 3. Silkworm rearing**
- 4. Economics of sericulture**

Nature of Question Paper
Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Zoology

Short Term Course in Sericulture: Sericulture: New era of farming

Day: -

Date: -

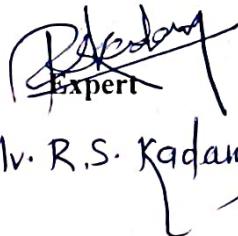
Time: - 30 Min.

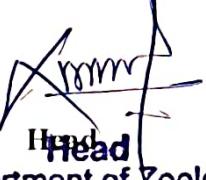
Total Marks: - 50

Q.1. 25 Multiple choice questions

50 Marks


Course Coordinator
(Dr. R. H. Atigre)


Expert
(Mr. R. S. Kadam)


Head
Department of Zoology
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

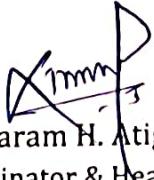
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Department of Zoology

Short Term Course - Sericulture: New era of farming

Notice for students

All the students of B. Sc. II are hereby informed that, the Department of Zoology is conducting the **short term course - Sericulture: New era of farming** in the Academic year 2024-25. The course will be run in the month of February, March 2025. This course will help to **begin an Agro based start-up of Silk production** and will increase the income source of the farmers-youth. **The course is free of cost.** All the participated students will get a certificate after successful completion of the course. Interested students are informed to **report their names to Dept. of Zoology during Thursday, 06-02-2025 to Saturday, 15-02-2024.**


Dr. Rajaram H. Atigre
Coordinator & Head
Head
Department of Zoology
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur


Dr. Ashok S. Chavan
I/C Principal
Shri Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale,
Dist. Kolhapur.

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Zoology

Short Term Course – 2024-25

Sericulture: New era of farming – List of Registered Students

Sr. No	Roll. No	Name of the Student	Mobile no.	Date of Birth	Address
01	SNEF – 01	Bhore Sanika Balaso	9834461684	19-06-2003	Narconde.
02	SNEF – 02	Buddhe Sakshi Umesh	9588459588	20-12-2005	Ghunaki
03	SNEF – 03	Chalke Snehal Anil	9168013603	16-11-2005	Pethgaon.
04	SNEF – 04	Chavan Amruta Bajirao	796714223	26/10/2005	Savarde.
05	SNEF – 05	Chechar Gayatri Kiran	9356967611	15-4-2004	Top
06	SNEF – 06	Chougule Shweta Pravin	7744094141	29-9-2005	Khochi
07	SNEF – 07	Gaikwad Sayali Dilip	—	—	—
08	SNEF – 08	Gholap Diksha Vilas	—	—	—
09	SNEF – 09	Gujar Vishakha Madhukar	9430261398	10-08-2004	Bhadole.
10	SNEF – 10	Jadhav Manasi Dilip	9561667232	21-01-2005	Peth Vadgaon.
11	SNEF – 11	Jadhav Vaishnavi Bhivaji	7798693016	31/10/2005	New Pargan
12	SNEF – 12	Kadam Arya Namdev	7709416819	01/04/2005	Dhavali
13	SNEF – 13	Kadam Sakshi Dilip	7666759598	14/07/2005	Masobawadi
14	SNEF – 14	Kamble Sanika Sanjay	95879504968	18/4/2005	Bhendwade
15	SNEF – 15	Kharat Suraj Ramchandra	8208799408	25/02/2004	Khochi
16	SNEF – 16	Khatal Sanika Jaysing	7875781242	01/04/2006	A/P. Ghunaki
17	SNEF – 17	Khot Pallavi Subhash	8625964497	30/12/2005	Pharewadi
18	SNEF – 18	Kurane Sakshi Mahesh	—	—	—
19	SNEF – 19	Lokhande Shubham Bandu	7558246417	17/02/2005	A/P. Bagani
20	SNEF – 20	Nangare Swapnali Sambhaji	7058545967	4/11/2005	A/P. Bhadole
21	SNEF – 21	Patil Anagha Ravindra	9545135901	6/01/2005	Latwade
22	SNEF – 22	Patil Manasi Kuntinath	9665204819	7-12-1998	Bhendwade.
23	SNEF – 23	Patil Pranali Bhimrao	8237587072	31-10-2005	Chavare
24	SNEF – 24	Patil Sakshi Sanjay	9764449629	13-05-2005	Vadgaon
25	SNEF – 25	Patil Sanika Anil	7414948700	10/12/2004	Shigaon
26	SNEF – 26	Powar Pramod Mohan	—	—	—
27	SNEF – 27	Shewale Priyanka Ramesh	8329880206	18/11/2005	Ghunki
28	SNEF – 28	Suryavanshi Samiksha Bhauso	8600204492	23-11-2005	Ambap.
29	SNEF – 29	Suryawanshi Sanika Namdeo	9699915230	23-4-2005	Mahapadle
30	SNEF – 30	Vaishnav Pooja Kishan	8208115217	10-07-2004	Peth Vadgaon
31	SNEF – 31	Waghmare Mahima Sarjerav	7058840646	19-5-2006	Latwade

~~Mr.~~

~~Head~~

Department of Zoology
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

Department of Zoology

Short Term Course – 2024-25

Sericulture: New era of farming – Time Table

Sr. No.	Date	Time	Name of the Teacher	Topic
01	17-03-2025	09.30 to 10.30	Dr. Rajaram H. Atigre	Introduction to Sericulture i. History of Sericulture ii. Scope of Sericulture iii. Importance of Sericulture
02	18-03-2025	09.30 to 10.30	Dr. Rajaram H. Atigre	Moriculture i. Plantation of Mulberry plant ii. Maintenance of Mulberry plant iii. Disease Management
03	19-03-2025	09.30 to 10.30	Dr. Suryakant V. Maske	Silk Moth i. Types of silk moth ii. Morphology of mulberry silk moth iii. Life Cycle of silk moth
04	20-03-2025	09.30 to 10.30	Dr. Suryakant V. Maske	Silk Moth iv. Diseases of silk moth v. Economic importance of silk moth
05	21-03-2025	09.30 to 10.30	Dr. Aishwarya S. Pawar	Silkworm rearing i. Introduction to Sericulture ii. Rearing of silk moth iii. Marketing of cocoons iv. Post harvesting process
06	22-03-2025	09.30 to 10.30	Dr. Sumit R. Mali	Economics of sericulture i. Expenses for one acre mulberry plantation ii. Expenses for silkworm rearing iii. Gradation of cocoons
07	08-04-2025	09.30 to 1.30	Mr. Rohitkumar S. Kadam	Practical demo i. Silk Moth ii. Moriculture iii. Silkworm rearing iv. Economics of sericulture

Head

Department of Zoology
Shri. Vijaysinha Yadav College
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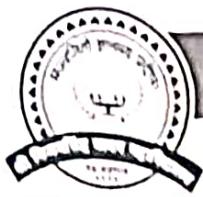
Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Zoology

Short Term Course – 2024-25

Sericulture: New era of farming – Attend

SNEF - 15	Kharat Suraj Ramchandra	<u>Suraj</u>	<u>Kharat</u>	<u>Ramchandra</u>	<u>Ramchandra</u>	<u>Ramchandra</u>
SNEF - 16	Khatal Sanika Jaysing	<u>Sanika</u>	<u>Khatal</u>	<u>Jaysing</u>	<u>Jaysing</u>	<u>Jaysing</u>
SNEF - 17	Khot Pallavi Subhash	<u>Pallavi</u>	<u>Khot</u>	<u>Subhash</u>	<u>Subhash</u>	<u>Subhash</u>
SNEF - 18	Kurane Sakshi Mahesh	—				
SNEF - 19	Lokhande Shubham Bandu	<u>Shubham</u>	<u>Lokhande</u>	<u>Bandu</u>	<u>Bandu</u>	<u>Bandu</u>
SNEF - 20	Nangare Swapnali Sambhaji	<u>Swapnali</u>	<u>Nangare</u>	<u>Sambhaji</u>	<u>Sambhaji</u>	<u>Sambhaji</u>
SNEF - 21	Patil Anagha Ravindra	<u>Anagha</u>	<u>Patil</u>	<u>Ravindra</u>	<u>Ravindra</u>	<u>Ravindra</u>
SNEF - 22	Patil Manasi Kuntinath	<u>Manasi</u>	<u>Patil</u>	<u>Kuntinath</u>	<u>Kuntinath</u>	<u>Kuntinath</u>
SNEF - 23	Patil Pranali Bhimrao	<u>Pranali</u>	<u>Patil</u>	<u>Bhimrao</u>	<u>Bhimrao</u>	<u>Bhimrao</u>
SNEF - 24	Patil Sakshi Sanjay	<u>Sakshi</u>	<u>Patil</u>	<u>Sanjay</u>	<u>Sanjay</u>	<u>Sanjay</u>
SNEF - 25	Patil Sanika Anil	<u>Sanika</u>	<u>Patil</u>	<u>Anil</u>	<u>Anil</u>	<u>Anil</u>
SNEF - 26	Powar Pramod Mohan	—				
SNEF - 27	Shewale Priyanka Ramesh	<u>Priyanka</u>	<u>Shewale</u>	<u>Ramesh</u>	<u>Ramesh</u>	<u>Ramesh</u>
SNEF - 28	Suryavanshi Samiksha Bhauso	<u>Samiksha</u>	<u>Suryavanshi</u>	<u>Bhauso</u>	<u>Bhauso</u>	<u>Bhauso</u>
SNEF - 29	Suryavanshi Sanika Namdeo	<u>Sanika</u>	<u>Suryavanshi</u>	<u>Namdeo</u>	<u>Namdeo</u>	<u>Namdeo</u>
SNEF - 30	Vaishnav Pooja Kishan	<u>Pooja</u>	<u>Vaishnav</u>	<u>Kishan</u>	<u>Kishan</u>	<u>Kishan</u>
SNEF - 31	Waghmare Mahima Sarjerao	<u>Mahima</u>	<u>Waghmare</u>	<u>Sarjerao</u>	<u>Sarjerao</u>	<u>Sarjerao</u>

NAAC Accredited - 'A+' (3.41)
Feb 2023

Shri Shahu Shikshan Prasarak Seva Mandal, Peth Vadgaon's

SHRI. VIJAYSINHA YADAV COLLEGE



Peth Vadgaon, Tal. Hatkanangale, Dist. Kolhapur.

(Maharashtra) 416 112 (0230) 2471599

Affiliated to Shivaji University, Kolhapur

E-mail: vymcollege@rediffmail.comWebsite: www.vympv.ac.in

President : Shri. Gulabrao Pol I.P.S.	Secretary : Sou. Vidya Gulabrao Pol M.A, B.Ed	Vice President : Smt. Vijayadevi V. Yadav	Principal : Dr. Ashok S. Chavan M.A Ph.D SET
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Ref No. VYMP/ *By Hand*

Date : 05/04/2025

To,

Mr. Rohitkumar S. Kadam**Research Scholar,****Jaysingpur College, Jaysingpur****Subject: Invitation as a Resource Person.**

Dear Sir,

It gives us immense pleasure to inform you that Department of Zoology of our College has organized a short term course in Sericulture entitled "Sericulture: New era of farming" in the academic year 2024-25. We request you to deliver a lecture on the "silk worm technology" and a "demo on the silk worm rearing" for our students of the above said course on Tuesday, 08-04-2025 at 09.00 am.

It would be a great favor to us, if you accept our invitation as Resource Person for the above said program.

We are hoping for your positive reply.

Thanking you.

Yours

[Dr. Ashok Chavan]
I/C Principal
Shri Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale,
Dist. Kolhapur.



SHRI. VIJAYSINHA YADAV COLLEGE

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Affiliated to Shivaji University, Kolhapur

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Feb 2023

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Ref. No. VYMP/

By Hand

Date : 08/04/2025

To,

Mr. Rohitkumar S. Kadam

Research Scholar,

Jaysingpur College, Jaysingpur

Sub: Letter of Gratitude....

Dear Sir,

We are very much grateful to you for being a Resource Person for short term course in Sericulture. Special thanks for your knowledgeable, motivate and inspiring speech on “silk worm technology” and a “demo on the silk worm rearing” on Tuesday, 08-04-2025 at 09.00 am. It has created immense curiosity in the minds of all participants.

We are grateful for the time and effort you took to share your thoughts and experiences with us. We would like to be in touch with you in future also.

Thank you once again.

Yours

[Dr. Ashok Chavan]

I/C Principal

Shri. Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale,
Dist. Kolhapur.

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Zoology

Short Term Course - 2024-25
Sericulture: New era of farming - Notice for exam

All the students enrolled for **short term course - Sericulture: New era of farming** are hereby informed that, the examination of the above said course will be held as per the schedule given below.

Name of the course - Sericulture: New era of farming

Day & Date of exam - Thursday, 17-04-2025

Time - 01.00 too 01:30 pm

Max. Marks - 50

Exam pattern - Objective

All the students are informed to attend the same.


Dr. Rajaram H. Atigre
Coordinator & Head
Head
Department of Zoology
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

Roll no.

Shri Shahu Shikshan Prasarak Seva Mandal's
Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Zoology

Short Term Course - Sericulture: New era of farming
Examination 2024-25

Date - _____

Time - 30 Minutes

Max. Marks-50

1. What is the life span of an adult 'Bombyx mori'?
a) 2 days b) 3-4 days c) 6 days d) 8 days
2. Silk contains a protein known as _____.
a) Casein b) Fibroin c) Sericin d) both (b) and (c)
3. What is sericulture?
a) Rearing of fishes b) Rearing of silkworm c) Rearing of birds d) Rearing of cockroach
4. Which of the following varieties of silk is not produced in India?
a) Muga Silk b) Mulberry Silk c) Tassar Silk d) American Silk
5. How many stages are there in the life cycle of a silkworm?
a) 3 b) 4 c) 5 d) 6
6. Cocoon is formed by how many pairs of glands?
a) Two b) Three c) Four d) One
7. Silk is produced by _____.
a) Cocoon b) adult moth c) larva d) larva and adult moth
8. Pick the set of beneficial insects to man.
a) Sand fly, butterfly b) honey bee, cockroach c) silkworm, honey bee d) Housefly, stick insect
9. Honey, silk and Lac are _____.
a) Artificial elements b) secretory substance of plants c) secretory substance of insects d) all of these
10. Which of the following gland secrete silk?
a) Labial gland b) Sex gland c) Both a and b d) None of these
11. What is the ideal range of pH of soil for mulberry plants?
a) 6.2 to 6.8 b) 7.4 to 7.8 c) 7.9 to 8.4 d) None of these
12. The process of cultivation mulberry plants called as _____.
a) Sericulture b) Mulberry cultivation c) Both a and b d) None of these
13. From Uzi flies, how rearing house is protected?
a) Closed windows and ventilation b) cover window and ventilation with nylon net
c) Both a and b d) none of these
14. What type of parasite is an Uzi fly?
a) Endoparasite b) Exoparasite c) Both a and b d) none of these
15. Causative agent of flacherie disease is _____.
a) Flacherie virus b) bacteria c) Both a and b d) none of these
16. Disinfectants used in rearing house for disinfection is _____.
a) 0.05% Asthra solution b) 2% bleaching powder c) 0.03% lime solution d) all of these
17. The silkworm larva ceases to eat and begins spinning silk all over its body _____.
a) From inside to outside b) from outside to inside c) in a random motion d) all of these
18. Queen of textiles is _____.
a) Kanchipuram Sarees b) Silk c) Cocoon d) Cotton
19. Which rearing equipment is not used at the time of spinning of silkworm larvae?
a) Feeding stand b) Netrika c) Chandrika d) Rotary mountage
20. The process of shedding down of exoskeleton in silkworm is called _____.
a) Moulting b) Mounting c) Mulching d) Brushing
21. Ahimsa silk is naturally obtained from _____.
a) Tassar silk b) Mulberry silk c) Muga silk d) Eri silk
22. Sericulture is native of _____.
a) Japan b) India c) China d) Korea
23. The life cycle of mulberry silkworm is completed in _____.
a) 20 days b) 30 days c) 35 days d) 45 days
24. Commercial silk is obtained from _____.
a) Cocoon b) caterpillar c) adult moth d) both egg and adult moth
25. Which of the following statements is true?
a) Salivary gland of moth secrete silk b) larval form of moth secretes silk
c) Silk is extracted from cocoons of moth by boiling d) both b and c

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Zoology

Short Term Course – 2024-25

Sericulture New era of farming – Result of Final exam

Sr. No	Roll. No	Name of the Student	Marks obtained (Out of 50)
1	SNEF - 01	Bhore Sanika Balaso	18 22
2	SNEF – 02	Buddhe Sakshi Umesh	16 20
3	SNEF – 03	Chalke Snehal Anil	20
4	SNEF – 04	Chavan Amruta Bajirao	20
5	SNEF – 05	Chechar Gayatri Kiran	24
6	SNEF – 06	Chougule Shweta Pravin	26
7	SNEF - 07	Gaikwad Sayali Dilip	Absent
8	SNEF – 08	Gholap Diksha Vilas	Absent
9	SNEF – 09	Gujar Vishakha Madhukar	26
10	SNEF - 10	Jadhav Manasi Dilip	34
11	SNEF – 11	Jadhav Vaishnavi Bhivaji	30
12	SNEF – 12	Kadam Arya Namdev	28
13	SNEF – 13	Kadam Sakshi Dilip	26
14	SNEF – 14	Kamble Sanika Sanjay	24
15	SNEF – 15	Kharat Suraj Ramchandra	20
16	SNEF – 16	Khatal Sanika Jaysing	28
17	SNEF – 17	Khot Pallavi Subhash	20
18	SNEF – 18	Kurane Sakshi Mahesh	20 Absent
19	SNEF – 19	Lokhande Shubham Bandu	20
20	SNEF - 20	Nangare Swapnali Sambhaji	22
21	SNEF – 21	Patil Anagha Ravindra	32
22	SNEF – 22	Patil Manasi Kuntinath	28
23	SNEF – 23	Patil Pranali Bhimrao	20
24	SNEF – 24	Patil Sakshi Sanjay	28
25	SNEF – 25	Patil Sanika Anil	26
26	SNEF – 26	Powar Pramod Mohan	Absent
27	SNEF – 27	Shewale Priyanka Ramesh	20
28	SNEF – 28	Suryavanshi Samiksha Bhauso	30
29	SNEF – 29	Suryavanshi Sanika Namdeo	20
30	SNEF – 30	Vaishnav Pooja Kishan	28
31	SNEF - 31	Waghmare Mahima Sarjerav	20


Head