



**Janata Shikshan Sanstha's  
KISAN VEER MAHAVIDYALAYA, WAI  
Department of Zoology  
"Certificate Course in Sericulture"  
Course Report -2018-19**

The department of Zoology had decided to conduct a certificate course in departmental meeting. The title of the course is "Certificate Course in Sericulture" was finalized. The notification and advertisement was made through our college website and Brochure of the course was uploaded on the college website. The course was started on 4 December to March 2019. The time-table was displayed on the department's notice board. 28 students were admitted for the said course. Regular lectures and practical were conducted according to the time-table. Examination of the said course was conducted and certificates were issued to all the passed students. Students gained the knowledge about sericulture and more about cottage industry. Certificate along with the B.Sc. degree. The supportive staff and the administration of the College and specially Hon. Principal supported a lot.

The record of the course has maintained in the department. One copy had given in IQAC cell and same had been uploaded on college website.

Course Co-ordinator

Head,  
Department of Zoology  
**Head**

**Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803**



**Principal**  
Kisan Veer Mahavidyalaya  
Wai, Dist. Satara



Department of Zoology,  
Kisan Veer Mahavidyalaya, Wai  
Date: 1/12/2018

## Notice

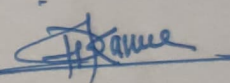
Students of B. Sc. Part III (Zoology) are hereby informed that Certificate Course in 'Sericulture' for B. Sc. III will commence from 4<sup>th</sup> December 2018 onwards. The duration of course will be 3 months.

### Examination:

The examination will be conducted for paper I and II and practical and theory as 50 marks each. The nature of questions will be multiple choice and short answer type. The number of periods calculated for the three months course would be 60.

The course periods and practicals will be conducted on Friday and Saturday mentioned in regular time table.



For   
Head,  
Department of Zoology  
**Head**  
Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803

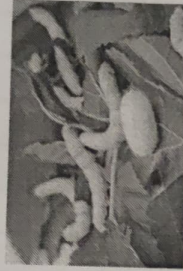


JANATA SHIKSHAN SANSTHA'S

KISAN VEER MAHAVIDYALAYA, WAI

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE IN SERICULTURE 2018-2019



Number of Papers: (50 Marks)  
Number of Practicals (50 Marks)  
Onsite Visit to District  
Sericulture Centre, Wai

Eligibility : B.sc. I/ II/ III Appear  
Intake capacity : 40  
Duration 03 Months  
Fees : 500/- only

**Objectives:**

1. Acquaintance with the fields in Applied Zoology
2. Acquaintance with basic information in Sericulture
3. Developing theoretical and Practical knowledge in raising Silkworms
4. Introduction of importance of small industry

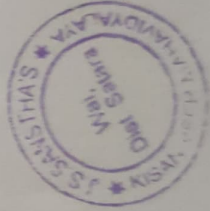
**Advantages of Sericulture**

- High employment potential for local people
- Eco-Friendly Activity
- Woman friendly Occupation
- Low Investment, High Returns
- Provides Vibrancy to Rural Economy
- They are non- hazardous to Environment
- Readily available market

*Hanumantrao Kanase*

Dr. Hanumantrao Kanase  
(Course Coordinator)  
Cell : 9922010210

**Contact**



*Dr. L. F. Raiyan*  
Head  
Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803

Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
 Department of Zoology  
 Year 2018-2019  
 Student List - B. SC. Part III  
**Short Term Course "Sericulture"**

Sr. No	Roll No	Name of the student	Gender	Caste
1	79	MANDHARE RUTUJA BHIMRAO	Female	OPEN
2	80	SHINDE SWATI SHANKAR	Female	S.C.
3	81	BODARE PRAJAKTA SUNIL	Female	V.J.A.
4	82	KADAM JYOTI DATTATRAY	Female	N.T.B.
5	83	JADHAV RESHMA SANDIP	Female	OPEN
6	84	JADHAV NIKITA NITIN	Female	OPEN
7	85	JAMDADE POOJA PRATAP	Female	OBC
8	86	POL KOMAL BALKRISHNA	Female	OPEN
9	87	DALAVI AKSHADA CHANDRAKANT	Female	OBC
10	88	GADHAVE SONALI RAVINDRA	Female	OPEN
11	89	SAYYAD TABSUM AYUB	Female	OBC
12	90	GAIKWAD SURAJ LAXMAN	Male	V.J.A.
13	91	POL PRANALI MAHADEO	Female	OPEN
14	92	PUJARI PRACHI VIDYADHAR	Female	OBC
15	138	MASUGADE DIPAK VITTHAL	Male	V.J.A.
16	139	JADHAV AKSHAY DIPAK	Male	OPEN
17	150	PISAL AASHA VISHAWAS	Female	OPEN
18	168	CHAVAN PRAGATI DATTATRAY	Female	OPEN
19	169	DABHADE SRUSHTI SANJAY	Female	OPEN
20	170	PISAL NEHA DHANANJAY	Female	OPEN
21	171	DABHADE MADHAVI MADHUKAR	Female	OPEN
22	172	PAWAR APARNA RAMESH	Female	N.T.B.
23	212	BHOSALE PRAJAKTA SUNIL	Female	OPEN
24	217	ANPAT ADITI RAMCHANDRA	Female	OPEN
25	218	JEDHE AISHWARYA SUNIL	Female	OPEN
26	257	NAIKWADI PRAJAKTA ASHOK	Female	OBC
27	260	RENJAR JYOTSNA KISAN	Female	S.T.
28	266	CHAVAN POOJA DATTATRAY	Male	OPEN



*Jr. H. K. Kulkarni*  
 Head

Department of Zoology  
**Head**

**Department of Zoology**  
**Kisan Veer Mahavidyalaya,**  
**Wai 412803**

**Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai (Dist. Satara)  
Department of Zoology  
Certificate Course in Sericulture  
Year 2018-2019**

**Course fee :** Rs.500/- per student

**Course duration:** September to November

**Syllabus:**

**Paper I Silk moth Morphology, Types and Life Cycle**

1. History of Sericulture
2. Types of Silk moth and relationship
3. Habits and habitat, Morphology and classification of Silk moth
4. Life cycle

**Paper II Rearing and Cultivation of Silk moth**

1. Cultivation of mulberry plant
2. Rearing of silk moth
  - a. Housing
  - b. Feeding and its maintenance
  - c. Disease prevention techniques
  - d. Reeling and raw silk
  - e. Application of sericulture as a cottage industry

**Practical**

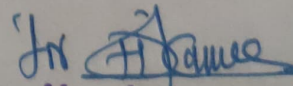
- ❖ Study of stages in life cycle of silk moth
- ❖ Cultivation of mulberry plants
- ❖ Rearing of silk worms
- ❖ Sericulture Economics

**Nature of Question Paper:** Multiple Choice Questions

Short Answer Questions

Short Notes



  
**Head**

**Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803**

Kisan Veer Mahavidyalaya, Wai  
Department of Zoology  
Date: 06/03/2019

## Notice:-

All the Students of B.Sc. III are hereby informed that their theory and practical's examination of Certificate course in sericulture is arranged on Saturday, 09/03/2019 as per following schedule.

Date	Title	Time
09/03/2019	Paper. I	10:00 am to 11:00 am
	Paper. II	11:30 am to 12:30 pm
	Practical	12:30 pm to 01:30 pm



*H. Kame*  
Head,

Department of Zoology  
**Head**  
Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803

Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai  
Department of Zoology  
Short Term Course  
SERICULTURE (2018-19)

Date: 09/03/2019  
Total Marks: 50

Time: 1 Hrs

**Instructions:**

- 1) All Questions are Compulsory.
- 2) Draw diagram wherever necessary.
- 3) Figures to the right indicate full marks.

**Q.1. Answer the following.**

1. Identify, mention the diagnostic features and its importance in sericulture.

04

Cocoon

2. Identify and describe.

04

Eggs of silk moth

3. Identify, describe and mention its peculiar features.

04

Caterpillar of silk moth

4. Identify and describe its applications in sericulture industry.

04

Rearing tray

5. Identify and mention its cultivation practice and use in sericulture.

04

Mulberry plant

6. Identify and state its morphological features and role in sericulture industry.

04

Adult moth

7. Identify, and state its significance.

04

Raw silk

8. Identify and state its application in sericulture.

04

Thermometer

9. Identify, sketch and label life cycle.

04

Silk moth

10. Describe the any one type of disease in sericulture industry.

04

**Q.2. Submission of a report on sericulture.**



*[Handwritten Signature]*

**Head**

**Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803**

Department of Zoology  
Kisan Veer Mahavidyalaya, Wai (Dist. Satara)

Class: B.Sc. Part - III

Roll No.:

Date: 09/03/2019

Paper - I

Time: 10.00 - 11.00

Marks: 50

Examiner

Que: 1 Select correct option and rewrite in the answer book

10

1. Rearing silk moth for the production of silk is termed as.....
  - a) Apicultures
  - b) Sericulture
  - c) Prawn culture
  - d) Lac culture
2. Silk moth belong to class.....
  - a) Insecta
  - b) Mammalia
  - c) Amphibia
  - d) Reptelia
3. The biggest silk producing country in the world is .....
  - a) China
  - b) India
  - c) Japan
  - d) America
4. The comments wild silk producing insect is.....
  - a) Bombyxmori
  - b) Muga
  - c) Tassar
  - d) Eri
5. .... Humidity is measured by
  - a) Hygrometer
  - b) Thermameter
  - c) Lactometer
  - d) Milimeter
6. Eri silk moth feeds on ..... plants.
7. Female silk moth lays ..... Eggs.
8. Life cycle of silk moth is completed ..... Days.
9. .... mouth parts are present in silk worm.
10. Caterpillar of bombyxmori which feeds on.....leaves.
  - a) Machilas plant
  - c) Custard plant
  - d) Mulberry plant
  - e) Fig plant

Q.2. Answer the following

20

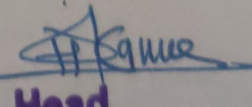
1. Describe disease cultivation of mulberry
2. Describe morphology of silk moth.

Q.3. Write short notes on

20

1. Importance of silk
2. Describe types of silk moth
3. Food plant of silk worm
4. Habit and habitat of silk moth



Dr.   
Head  
Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803



Department of Zoology  
Kisan Veer Mahavidyalaya, Wai (Dist. Satara)

Class: B.Sc. Part - III

Roll No.:

Date: 09/03/2019

Time: 11. 30 - 12. 30

Marks: 50

Examiner

Paper - II

**Que: 1 Select correct option and rewrite in the answer book**

10

- The process of killing the cocoon is called.....  
a) Stickling      b) Realling      c) Rearing      d) Spinning
- The silk thread is composed of five filament of protein called.....  
a) Fibroin      b) Tublin      c) Histone      d) Himoprotein
- Cocoon is secreted by.....  
a) I<sup>st</sup> instar larva      b) Pupa      c) Vst instar larva      d) Imago
- The full grown mature larva of silkmoth is called.....  
a) Caterpillar      b) Magot      c) Wiggler      d) chrysalis
- In following country all four kinds of Mulberry, Tasar, Muga, and Evi silk is produced.  
a) China      b) Japan      c) India      d) Korea
- The domesticated silk worm ..... Is one of the best insect for genetic research.  
a) Bombyxmori      b) Evi      c) Tasar      d) none of these
- Mascardine is a disease of sliik moth caused due to .....  
a) fungi      b) bacteria      c) insect      d) protozoa
- Following plant is suitable for Bombyxmori feeding.  
a) Mulberry      b) Acacia      c) Neam      d) Mango
- Pebrine disease is caused by a.....  
a) Protozones      b) Bacteria      c) Virus      d) Fungi
- Life cycle of silkworm is divided into.....stages  
a) 2      b) 3      c) 4      d) 5

**Que: 2. Solve the following.**

20

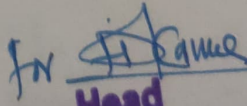
- Describe the various diseases in silk industry.
- Describe the different tools used in sericulture.

**Que: 3 Write Short Notes on**

20

- Describe Disease Pebrine.
- Disease Muscardin.
- Explain worm culture.
- Grainage management.



For   
**Head**  
Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803

Department of Zoology  
Kisan Veer Mahavidyalaya, Wai (Dist. Satara)

Class: B.Sc. Part - III

Roll No.:

Date: 09/03/2019

Time: 10.00 - 11.00

Marks: 50

Examiner

Paper - I

Que: 1 Select correct option and rewrite in the answer book

10

1. Rearing silk moth for the production of silk is termed as.....
  - a) Apicultures
  - b) Sericulture
  - c) Prawn culture
  - d) Lac culture
2. Silk moth belong to class.....
  - a) Insecta
  - b) Mammalia
  - c) Amphibia
  - d) Reptelia
3. The biggest silk producing country in the world is .....
  - a) China
  - b) India
  - c) Japan
  - d) America
4. The comments wild silk producing insect is.....
  - a) Bombyxmori
  - b) Muga
  - c) Tassar
  - d) Eri
5. .... Humidity is measured by
  - a) Hygrometer
  - b) Thermameter
  - c) Lactometer
  - d) Milimeter
6. Eri silk moth feeds on ..... plants.
7. Female silk moth lays ..... Eggs.
8. Life cycle of silk moth is completed ..... Days.
9. .... mouth parts are present in silk worm.
10. Caterpillar of bombyxmori which feeds on.....leaves.
  - a) Machilas plant
  - c) Custard plant
  - d) Mulberry plant
  - e) Fig plant

Q.2. Answer the following

20

3. Describe disease pelerine
4. Describe morphology of silk moth.

20

Q.3. Write short notes on

5. Importance of silk
6. Describe types of silk moth
7. Food plant of silk worm
8. Habit and habitat of silk moth



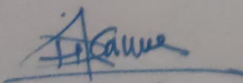
*[Signature]*

Head

Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803

Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
 Department of Zoology  
**Short Term Course**  
 SERICULTURE (2018-19)

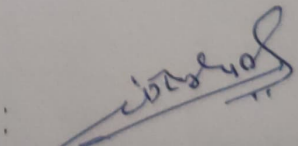
Sr. No.	Roll No.	Student Name	Marks			Total	%
			P.I	P.II	Practical		
1	79	MANDHARE RUTUJA BHIMRAO	41	34	33	108	72
2	80	SHINDE SWATI SHANKAR	36	37	39	112	74.667
3	81	BODARE PRAJAKTA SUNIL	41	40	33	114	76
4	82	KADAM JYOTI DATTATRAY	41	40	39	120	80
5	83	JADHAV RESHMA SANDIP	40	41	39	120	80
6	84	JADHAV NIKITA NITIN	26	28	34	88	58.667
7	85	JAMDADDE POOJA PRATAP	39	29	35	103	68.667
8	86	POL KOMAL BALKRISHNA	47	35	39	121	80.667
9	87	DALAVI AKSHADA CHANDRAKANT	30	31	32	93	62
10	88	GADHAVE SONALI RAVINDRA	40	35	39	114	76
11	89	SAYYAD TABSUM AYUB	36	36	39	111	74
12	90	GAIKWAD SURAJ LAXMAN	39	28	30	97	64.667
13	91	POL PRANALI MAHADEO	33	33	39	105	70
14	92	PUJARI PRACHI VIDYADHAR	31	33	38	102	68
15	138	MASUGADE DIPAK VITTHAL	32	33	22	87	58
16	139	JADHAV AKSHAY DIPAK	39	33	28	100	66.667
17	150	PISAL AASHA VISHAWAS	36	35	26	97	64.667
18	168	CHAVAN PRAGATI DATTATRAY	39	29	35	103	68.667
19	169	DABHADE SRUSHTI SANJAY	27	29	36	92	61.333
20	170	PISAL NEHA DHANANJAY	27	40	36	103	68.667
21	171	DABHADE MADHAVI MADHUKAR	37	27	36	100	66.667
22	172	PAWAR APARNA RAMESH	36	39	19	94	62.667
23	212	BHOSALE PRAJAKTA SUNIL	28	34	28	90	60
24	217	ANPAT ADITI RAMCHANDRA	32	10	27	69	46
25	218	JEDHE AISHWARYA SUNIL	43	42	35	120	80
26	257	NAIKWADI PRAJAKTA ASHOK	28	28	32	88	58.667
27	260	RENJAR JYOTSNA KISAN	30	33	32	95	63.333
28	266	CHAVAN POOJA DATTATRAY	28	28	-	56	37.333



**Head**

Department of Zoology  
 Kisan Veer Mahavidyalaya,  
 Wai 412803

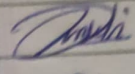
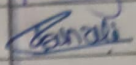


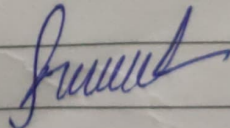


**Principal**

Kisan Veer Mahavidyalaya  
 Wai, Dist. Satara

# Paper - I

Sr No.	Roll No.	Name of the student.	Signature
1	168	Chavan Peagati Dattatray	
2	92	Pajari prachi vidyadhar	P. V. Pigeoni
3	91	Pol pranali Mahadeo	
4	82	Kadam Jyoti Dattatray	
5	170	Pisal Pooja Neha Dhanjay	J. Pisal
6	79	Mandhare Rutuja Bhimraj	M. Mandhare
7	80	Shinde Swati Shunkar	Shinde
8	85	Jamdade Pooja Pratap.	J. Jamdade
9	171	Dabhade Madhavi Madhukar.	M. Dabhade
10	169	Dabhade Srushti Samjay	S. Dabhade
11	172	Pawar Aparna Ramesh	A. P. Pawar
12	83	Jadhav Rishma S.	R. Jadhav
13	89	Sayyad Tabsum Ayub	T. Sayyad
14	84	Jadhav Nikita Nitin	N. Jadhav
15	86	Pol komal Ballerishna	P. Pol
16	150	Pisal Aasha vishwas	A. V. Pisal
17	218	Tedhe Aishwarya Sunil	A. Tedhe
18	212	Bhosale Prajakta Sunil	P. Bhosale
19	260	Renjar Hotsna Kisan	K. Renjar
20	87	Dalavi Akshada Chandrakant	A. Dalavi
21	88	Gadhave sonali Ravindra	S. R. Gadhave
22	81	Bodace Prajakta sunil	P. Bodace

more s.k. 

Introduction on sericulture.

Sr.No	Roll No	Name of the student	Signature
	80	Shinde Suresh Shankar	Shinde
	89	Sayyad Tabsum Ayub	Sayyad
	87	Dalvi Akshada Chandrakant	Dalvi
	172	Panwar Aparna Ramesh	A.P. Panwar
	91	Pol Pranita Mahadeo	Pol
	169	Dabhade Sruhti Sanjay	Dabhade
	79	Mandhare Rutuja B	Rutuja
	86	Pol Komal Balkrishna	Pol
	92	Pujari Prachi Vidyadhar	P. V. Pujari
	88	Gadhare Sonali Ravindra	S. R. Gadhare
	82	Kadam Jyoti Dattatray	Kadam
	85	Jamdade Pooja Pratap	Jamdade
	266	Renjar Jyotsna Kisan	Renjar
	83	Jadhav Reshma S	Jadhav
	150	Pisal Aasha Vishwas	A. V. Pisal
	84	Jadhav Nikita Nitin	Jadhav
	171	Dabhade Madhavi Madhukar	Madhavi
	168	Chavan Pragati Dattatray	Pragati
	170	Pisal Neha D.	Pisal
	212	Bhosale Pranjata Sunil	Bhosale
	81	Bodase Prajakta Sunil	Bodase

Discussion on semiotics

Shinde

Sr No.	Roll No	Name of the student.	Signature
	81	Bodare Prajakta Sunil	<u>Bodare</u>
	86	Pol kamal Balkrishna	<u>Pol</u>
	170	<del>Pisal Nikita Tabernajay</del>	<del>Pisal</del>
	88	Gadhare sonali Ravindra	S.P. Gadhare
	92	Pujari Prochi Vidyadhar	P.V. Pujari
	91	Pol Pranali mahadeo	<u>Pol</u>
	82	Kadam Jyoti Dattatray	<u>Kadam</u>
	171	Dabhade Madhavi Madhakar	<u>Dabhade</u>
	85	Jamdade Pooja Pratap.	<u>Jamdade</u>
	83	Jadhav Reshma . S	<u>Jadhav</u>
	84	Jadhav Nikita Nitin	<u>Jadhav</u>
	87	Dalavi Akshada Chandrakant	<u>Dalavi</u>
	89	Sayyed Tabsum Ayub	<u>Sayyed</u>
	168	Charon Pragati Dattatray	<u>Charon</u>
	169	Dabhade Srushti Sanjay	<u>Dabhade</u>
	260	Renjani Jyotsna Kisan	<u>Renjani</u>
	79	Mandhare Rutuja Bhimao	<u>Mandhare</u>
	150	Pisal Aasha Vishwas	<u>A.V. Pisal</u>
	212	Bhosale Prajakta Sunil	<u>Bhosale</u>
	218	Teelhe Aishwarya Sunil	<u>Teelhe</u>
	80	Shinde Sneha Shankar.	<u>Shinde</u>

Morphology of silk moth.

Sunil

Sr No.	Roll No.	Name of the student	Sign
	81	Bodare Prajakta Sunil	B. Bodare
	89	Sayyed Tabsum Ayub	Sayyed
	172	Pawar Aparna Ramesh	A.P. Pawar
	169	Dabhade Srushti Sanjay	Dabhade
	170	Pisat Neha Dhanjay	Pisat
	86	Pol Komal Balkrishna	Pol
	87	Dalavi Akshada Chandrakant	Dalavi
	88	Gadhare Sonali Ravindra	S.P. Gadhare
	79	Mandhare Rutuja B	Mandhare
	171	Dabhade Madhavi Madhukar	Dabhade
	92	Pujari Prochi Vidyadhar	P.V. Pujari
	82	Kadam Jyoti Dattatray	Kadam
	91	Pol Pranali Manojdeo	Pol
	260	Renjan Jyotsna Kisan	Renjan
	85	Jamdade Pooja Pratap	Jamdade
	168	chavan Pragati Dattatray	Chavan
	83	Jadhav Peshma S	Jadhav
	150	Asha Vishwas Pisat	A.V. Pisat
	84	Jadhav Nikita Nitin	Jadhav
	212	Bhosale Prajakta Sunil	Bhosale
	80	Shinde Sneha Shankar	Shinde

Morphology of  
caterpillars

Prunil

Sr. No.	Roll No.	Name of the student	Signature
	81	Bedare Prajakta Sunil	Bedare
	170	Pisal Neha Dhanjay	Pisal
	171	Dabhade Madhavi Madhukar	Madhavi
	92	Pujari Prachi Vidyadhar	P.V. Pujari
	85	Jamdade Pooja Pratap	Jamdade
	260	Renjar Jyotsna Kisan	Renjar
	91	Pat Prandali Mahadrao	Pat
	168	Chavan Pragati Dattatray	Chavan
	169	Dabhade Sruhti Sanjay	Dabhade
	87	Dalavi Akshada Chandrakant	Dalavi
	88	Gadhare Sonali Ravindra	S.R. Gadhare
	79	Mandhare Rutuja Bhimrao	B.Mandhare
	172	Pamare Aparna Ramesh	A.R. Pamare
	82	Kadam Jyoti Dattatray	Kadam
	83	Jadhav Reshma S	Jadhav
	86	Pat Komal Balkrishna	Pat
	150	Pisal Aasha Vishwas	A.V. Pisal
	84	Jadhav Nikita Nitin	Jadhav
	212	Bhosale Prajakta Sunil	Bhosale
	89	Sayyad Tabsum Ayub	Sayyad
	218	Jedhe Aishwarya Sunil	Jedhe
	80	Shinde Sruhti Shantkar	Shinde

Types of silk moth.

*Sunil*



Sl. No.	Roll no.	Name of the student	
	86	Pol Komal Balakrishna	Pol
	172	Pawar Aparna Ramesh	Pawar
	91	Pol Prandali mahadeo	A.R. Pawar
	170	Meha Dharmjay Pisal	Meha
	92	Pujari Prachi Vidyadhar	Pujari
	82	Kadam Jyoti Dattatray	P.V. Kadam
	83	Jadhav Rehma S	Jadhav
	218	Jedhe Aishwarya sunil	Jedhe
	168	Chavan Pragati Dattatray	Chavan
	85	Jamdade pooja Pratap.	Jamdade
	171	Dabhade Madhavi Madhukar.	Dabhade
	169	Dabhade Srushti Sanjay	Dabhade
	79	Mandhare Rutuja Bhimrao	Mandhare
	150	Pisal Aasha. vishwas	A.V. Pisal
	84	Jadhav Nikita N.H.	Jadhav
	87	Dalavi Akshada Chandrakant.	Dalavi
	88	Gadhare sonali Ravindra	S.R. Gadhare
	212	Bhosale Pranjata sunil	Bhosale
	89	Sayyed Tabsum Ayub	Sayyed
	218	Jedhe Aishwarya sunil	Jedhe
	81	Bodare Pranjata sunil	Bodare

Life cycle of silk moth.

*sunil*

Sl. No.	Roll No.	Name of the student	Signature
	87	Akshada Chandrakant Dalavi.	<u>Akshada</u>
	88	Gadhare Sonali Pavindra	<u>S.R. Gadhare.</u>
	92	Pujari Prochi Vidyaadhar.	<u>P.V. Pujari</u>
	260	Renjan Jyotsna Kisan	<u>Renjan</u>
	<del>79</del>	<del>Mandhane Rutuja B.</del>	<del>Mandhane</del>
	169	Dabhade Srushti Sanjay	<u>Dabhade</u>
	86	Pol Komal Balkrishna	<u>Pol</u>
	170	Neha D. Pisal	<u>Neha</u>
	79	Mandhane Rutuja Bhimao	<u>Mandhane</u>
	172	Pawar Aparna Ramesh	<u>A.P. Pawar</u>
	171	Dabhade Madhavi Madhukar.	<u>Madhavi</u>
	91	Pol Pranali mahadeo	<u>Pol</u>
	82	Kadam Jyoti Dattatray	<u>Kadam</u>
	85	Jamdade Pooja Pratap.	<u>Jamdade</u>
	168	Chavan Pragati Dattatray	<u>Pragati</u>
	83	Jadhav Rishma. S	<u>Jadhav</u>
	150	Pisal Aasha Vishwas	<u>A.P. Pisal</u>
	84	Sadhav Nikita Nitin	<u>Sadhav</u>
	212	Bhosale Prajakta Sunil	<u>Bhosale</u>
	89	Sayyad Tabsum Ayub	<u>Sayyad</u>
	218	Jedhe Anshwarya Sunil	<u>Anshwarya</u>
	80	Shinde Swati Shankar	<u>Shinde</u>
		History of sericulture.	
		<u>Shinde</u>	

S. NO.	Roll No.	Name of the student	Signature
	80	Shinde Swati Shankar	Shinde
	85	Jamdade pooja Pratap	Jamdade
	170	Pisal <del>nisha</del> <del>Dhanraj</del>	<del>Pisal</del>
	86	Pol komal Balkrishna	Pol
	79	Mandhare Rutuja B	Mandhare
	87	Dalavi Akshada Chandrakant	Dalavi
	88	Gradhare sonali Ravindra	S.P. Gradhare
	172	Pawar Aparna Ramesh	A.P. Pawar
	171	Dabhade Madhavi Madhukar	Dabhade
	92	Pujari Prachi Vidyadhar	Pujari
	169	Dabhade Srushti Sanjay	Dabhade
	91	Pol Prunali Mahadeo	Pol
	82	Kadam Jyoti Dattatray	Kadam
	260	Renjar Jyotsna Kisan	Renjar
	168	Chavan Pragati Dattatray	Chavan
	83	Jadhav Reshma S	Jadhav
	150	Pisal Asha Vishwas	A.V. Pisal
	84	Jadhav Nikita Nitin	Jadhav
	212	Bhosale Prajakta Sunil	Bhosale
	89	Sayyad Tabsum Ayub	Sayyad
	218	Jedhe Aishwarya Sunil	Jedhe
	81	Bodde Prajakta Sunil	Bodde

Silk moth types  
Sunil

S.No.	Roll No.	Name of the student	Sign.
	80	Shinde Swati Shankar	<u>Swati</u>
	84	Sadhav Nikita Mitin	<u>Nikita</u>
	79	Mandhare Rutuja B	<u>Romandhare</u>
	171	Dabhade Madhavi Madhukar	<u>Madhavi</u>
	82	Kadam Jyoti Dattatray	<u>Rudra</u>
	169	Dabhade Srushti Sanjay	<u>Srushti</u>
	91	Pat Pranali manadco	<u>Pranali</u>
	86	Pat Komal Ballerishna	<u>Komal</u>
	79	Mandhare Rutuja Bhimrao	<u>Rutuja</u>
	170	Pisal Nena D.	<u>Nena</u>
	87	Dalavi Akshada Chandrakant	<u>Akshada</u>
	88	Gadhave sonali Ravindra	<u>S.R. Gad</u>
	172	Pawar Aparna Ramesh	<u>A.P. Pawar</u>
	85	Jamdade pooja Pratap.	<u>Jamdade</u>
	260	Renjar Jyotsna Kisan	<u>Jyotsna</u>
	168	Chavan Pragati Dattatray	<u>Pragati</u>
	83	Jadhav Reshma. S	<u>Reshma</u>
	150	Pisal Aasha. Vishwas	<u>A.v. Pisal</u>
	212	Bhosale Prajakta Sunil	<u>Prajakta</u>
	89	Sayyad Tabram Ayub	<u>Tabram</u>
	218	Jedhe Aishwarya Sunil	<u>Aishwarya</u>
	81	Bodare Prajakta Sunil	<u>Bodare</u>

Habit of silk moth

Sunil

Sr. NO.	Roll No.	Name of the student	
	80	shinde swati shankar	Shinde
	84	Jadhav Nikita Nitin	Jadhav
	170	Pisal	Pisal
	168	chavan Pragati Dattatray	Chavan
	171	Dabhade Madhavi Madhukar	Madhavi
	85	Jamdade Pooja Pratap	Jamdade
	83	Jadhav Reshma S	Jadhav
	87	Dalavi Akshada Chandrakant	Dalavi
	88	Gadhave sonali Ravindra	S.R. Gadh
	172	Pawar Aparna Ramesh	A.P. Pawar
	79	Mandhare Rutuja B	R. Mandhare
	150	Pisal Aasha Nishwas	A.V. Pisal
	169	Dabhade Srushti Sonjay	Dabhade
	260	Renjar Jyotsna Kisan	Renjar
	212	Bhosale Prajakta Sunil	Bhosale
	89	Sayyad Tabsum Ayub	Sayyad
	82	Kadam Jyoti Dattatray	Kadam
	81	Bodare Prajakta Sunil	Bodare

Habits & habitus of silk moth.

*Sunil*

Sr. No.	Name of the student	Sign
170	Pisal Neha D.	Nisal Pranavchare
79	Mandhure Rutwig B.	A. Dalavi
87	Dalvi Ashika Chandrakant	S. R. Guchare
169	Dabunde Smiti S.	S. R. Guchare
88	Gachure Sonali Ravindra.	Smiti
260	Kanjur Jyotsna Sanjay	Pratik.
212	Bhosale Prajakta Kishan Sunil	Pratik.
168	Chavan Padgahi Dattatray	Pratik
82	Kadlam Jyoti Dattatray	Pratik
89	Sayyad Tabsum Ayub.	Pratik
80	Shinde Swati Shankar	Pratik
81	Bodace Prajakta Sunil	Pratik
217	Anpat Aditi Ramchandra.	A.R. Anpat.
139	Jadhav A. D	Pratik.

Classification of silk moth.  
fruit

84	Jadhav Nikita Nitin	@Jadhav
91	Pol Pranali Prabhadee	Pranali
86	Pol Komal Balleerishna	Pol
82	Kadam Jyoti Dattatray	Jyoti
89	Sayyad Tabsum Ayub	Sayyad
81	Bodare Pragkta Sunil	Bodare
80	Shinde Swati Shankar	Shinde
212	Bhasele Pragkta Sunil	Bhasele
217	Anpat Aditi Ramchandra	A.P.A.
139	Jadhav A.D	Jadhav

### Economic importance of sericulture

Serial

81	Bodare Pragata Sunil	Bodare
86	Pol Komal Balkrishna	Pol
82	Kadcam Jyoti Dattamcy	Kadcam
91	Pol Pranali Mahadeo	Pol
84	Jadhav Nikita Nihin	Jadhav
89	Sayyad Tabsum Ayub	Sayyad
80	Shinde Swati Shankar	Shinde
212	Bhosale Pragata Sunil	Bhosale
217	Anpat Aditi Ramchandra	A.R.Anpat
139	Jadhav A.D	Jadhav

sericulture as an cottage industries

*[Handwritten signature]*

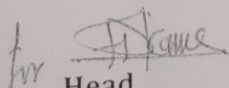


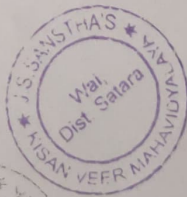
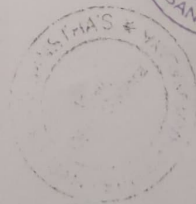
JANATA SHIKSHAN SANSTHA'S  
KISAN VEER MAHAVIDYALAYA, WAI

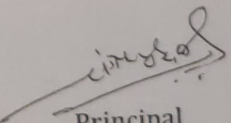


DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that, Shri / Smt: MANDHARE RUTUJA BHIMRAO  
of class B.Sc. part III has successfully Completed the Self Aided Certificate Course in "  
Sericulture" conducted by the Department of Zoology during the academic year 2018-2019.

  
Head,  
Department of Zoology  
Head  
Department of Zoology  
Kisan Veer Mahavidyalaya,  
Wai 412803



  
Principal  
Kisan Veer Mahavidyalaya  
Wai, Dist. Satara