



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.

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Course Co-ordinator



Head, Department of Zoology Head Department of Zoology Kleen Voer Mahavidyalaya, Web 412803

Kisan Veer Mahavidyalay Wai, Dist. Satara Wai, Satara Wai, 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.



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

JANATA SHIKSHAN SANSTHA'S

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CERTIFICATE COURSE IN SERICULTURE 2018-2019 KISAN VEER MAHAVIDYALAYA, WAI **DEPARTMENT OF ZOOLOGY** 



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





Eligibility : B.sc. I/ II/ III Appear Duration o3 Months Intake capacity : 40 Fees: 500/- only

# **Objectives:**

1.

- Acquaintance with the fields in Applied Zoology
- Acquaintance with basic information in Sericulture i,
- Developing theoretical and Practical knowledge in raring Silkworms m
  - Introduction of importance of small industry 4

# Advantages of Sericulture

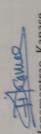
- High employment potential for local people
  - Woman friendly Occupation
- Provides Vibrancy to Rural Economy

They are non- hazardous to Environment

Low Investment, High Returns

Eco- Friendly Activity

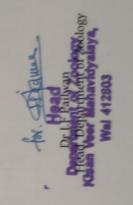
- Readily available market



Dr. Hanamantrao Kanase (Course Coordinator) Cell: 9922010210

# Contact





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.E
23	212	BHOSALE PRAJAKTA SUNIL	Female	OPE
24	217	ANPAT ADITI RAMCHANDRA	Female	OPE
25	218	JEDHE AISHWARYA SUNIL	Female	OPE
26	257	NAIKWADI PRAJAKTA ASHOK	Female	OB
27	260	RENJAR JYOTSNA KISAN	Female	S.T
28	266	CHAVAN POOJA DATTATRAY	Male	OPE



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Department of Zoology

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

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

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Department of Zoology Head Department of Zoology Klean Veer Mahavidyalaya, Wal 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

		-
Instru	uctions: 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.	
	Caterpillar of silk moth 4. Identify and describe its applications in sericulture industry.	04
		04
	Rearing tray 5. Identify and mention its cultivation practice and use in sericulture.	
		04
	6. Identify and state its morphological features and role in sericulture industry. Adult moth	04
	7. Identify, and state its significance. Raw silk	04
	8. Identify and state its application in sericulture.	
		04
	Thermometer 9. Identify, sketch and label life cycle.	
	Description of a static parts	04
	Silk moth 10. Describe the any one type of disease in sericulture industry.	0

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

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Department of Zoology Kisan Veer Mahavidyalaya, Wal 412803

Roll	Department of Zoology Kisan Veer Mahavidyalaya, Wai (Dist. Sata Class: B.Sc. Part – III Roll No.: Date: 09/03/2019 Paper - I			ara) Time: 10. 00 - 11. 00 Marks: 50 Examiner		
Que: 1. Re	<b>1 Select correct</b> earing silk moth fo	<b>option and rewrite in t</b> or the production of silk i	the answer book is termed as	10	,	
	a) Apicultures			d) Lac culture		
2. Sil	k moth belong to	class				
	a) Insecta	b) Mammalia	c) Amphibia	d) Reptelia		
3. Th	e biggest silk prod	ducing country in the wo	orld is			
	a) China	b) India	c) Japan	d) America		
4. Th	e comments wild	silk producing insect is.				
	a) Bombyxmor	ri b) Muga	c) Tassar	d) Eri		
5	Humidity is me	easured by				
	a) Hygrometer	b) Thermameter	er c) Lactometer	d) Milimeter		
6. Er	i silk moth feeds	s on plants.				
		ts are present in silk v oyxmori which feeds or ant c) Custard plan	nleaves.	lant e) Fig plant		
	the fai	llowing			20	
Q.2.	Answer the fo		1777V			
1.		se cultivation of mulbe	il y			
2.	Describe morph	hology of silk moth.			20	
Q.3.	Write short no	otes on			_	
1.	Importance of	fsilk				
2.	Describe types	s of silk moth				
3.	Food plant of s					
		itat of silk moth				
4.	Habit and habi	Itat of sink motin				
		(33)ANS	Teras for.	Theme		

Wai, Dist. Satara

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\* KISAN

Head Department of Zoology Klean Veer Mahavidyalaya, Wai 412803

	Department Kisan Veer Mahavio		(Dist. Satara)	
Class: B.Sc. Part – III Roll No.: Date: 09/03/2019	Paper	- 11	Time: 11. 30 – 12. 30 Marks: 50 Examiner	
Que: 1 Select correct	option and rewri	te in the ans		10
1.The process of killing			d) Coincing	
a) Stickling			d) Spinning	
2. The silk thread is com a) Fibroin	b) Tublin			
3. Cocoon is secreted by		c) mstone	u) mnoprotem	
		c) Vst instar	r larva d) Imago	
4. The full grown matur				
a) Caterpillar		c) Wriggler		
· ·		perry, Tasar, M	Auga, and Evi silk is produced.	
a) China			d) Korea	
6. The domesticated silk			ect for genetic research.	
a) Bombyxmori		c) Tasar		
7. Mascardine is a diseas	se of slik moth cause	ed due to		
a) fungi	b) bacteria	c) insect	d) protozoa	
8. Following plant is suit	table for Bombyxmo	ori feeding.		
a) Mulberry	b) Acacia	c) Neam	d) Mango	
9. Pebrine disease is cau	sed by a			
a) Protozones		c) Virus	d) Fungi	
10. Life cycle of silkworr		stages	S	
a) 2	b) 3	c) 4	d) 5	

Dist. Satar

# Que: 2. Solve the following.

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

# Que: 3 Write Short Notes on

- 1. Describe Disease Pebrine.
- 2. Disease Muscardin.
- 3. Explain worm culture.
- 4. Grainage management.

FN Head Head Department of Zoology Gean Veer Mahavidyalaya, Wal 412803

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Ki Class: B.Sc. Part - III Roll No.: Date: 09/03/2019	Department of isan Veer Mahavidyalay: Paper - I	a, Wai (Dist. Satara)		
Que: 1 Select correct op 1. Rearing silk moth for th	tion and rewrite in the a	mswer book med as	10	
a) Apicultures	b) Sericulture	c) Prawn culture	d) Lac culture	
2. Silk moth belong to class				
a) Insecta		c) Amphibia	d) Reptelia	
3. The biggest silk produc	ing country in the world	is		
a) China	b) India	c) Japan	d) America	
4. The comments wild sill	c producing insect is			
a) Bombyxmori	b) Muga	c) Tassar	d) Eri	
5 Humidity is measu	ared by			
a) Hygrometer	b) Thermameter	c) Lactometer	d) Milimeter	
<ol> <li>Eri silk moth feeds of</li> <li>Female silk moth lays</li> <li>Life cycle of silk moth</li> <li> mouth parts a</li> <li>Caterpillar of bombyx         <ul> <li>a) Machilas plant</li> </ul> </li> </ol>	s Eggs. n is completed are present in silk wor	·m.	nt e) Fig plant	
Q.2. Answer the follo	wing			20
<ul><li>Q.2. Answer the follo</li><li>3. Describe disease  </li></ul>				
4. Describe morphol				20
Q.3. Write short note				
5. Importance of si	lk			
6. Describe types o	f silk moth			
7. Food plant of sill				
8. Habit and habita				
		h	in barne	

Head Department of Zoology Klaan Voer Mahavidyalaya, Wai 412803 20

# Janata Shikshan Sanstha's

# Kisan Veer Mahavidyalaya, Wai

Department of Zoology Short Term Course SERICULTURE (2018-19)

Sr. No	Roll No.	Student Name		Marks			%
			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	JAMDADE 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	IADHAV 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
20	171	DABHADE MADHAVI MADHUKAR	37	27	36	100	66.667
22	172	PAWAR APARNA RAMESH	36	39	19	94	62.667
	212	BHOSALE PRAJAKTA SUNIL	28	34	28	90	60
23		ANPAT ADITI RAMCHANDRA	32	10	27	69	46
24	217	IEDHE AISHWARYA SUNIL	43	42	35	120	80
25		NAIKWADI PRAJAKTA ASHOK	28	28	32	88	58.667
26			30	33	32	95	63.333
27		RENJAR JYOTSNA KISAN	28	28	-	56	37.333
28	266	CHAVAN POOJA DATTATRAY	20			1	-

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Department of Zoology Kisan Veer Mahavidyalaya, Wal 412803



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### JANATA SHIKSHAN SANSTHA'S

# KISAN VEER MAHAVIDYALAYA, WAI



# DEPARTMENT OF ZOOLOGY

# Certificate

This is to certify that, Shri / Smt: <u>MANDHARE RUTUJA BHIMRAO</u> 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 Klaan Voor Mahavidyalaya, Wal 412803





Principal Principal Kisan Veer Mahavidyalaya Wai. Dist. Salara