

Roll No.

Total No. of Questions : 9]
(2034)

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UG (CBCS) IIIrd Year Annual Examination
3019

B.SC. ZOOLOGY

(Sericulture)

(SEC-III)

Paper : ZOOL 303 TH

Time : 3 Hours]

[Maximum Marks : 70

Note :— Attempt *five* questions in all, selecting *one* question from each section B, C, D and E. Question No. 1 of Section A is compulsory. Draw well labelled neat diagram wherever necessary.

Section-A

(Compulsory Question)

1. (a) Do as directed :

(i) Assam is famous for which type of silk ?

(a) Muga silk

(b) Eri silk

(c) Tasar Silk

(d) Mulberry silk

CH-319

(1)

Turn Over

- (ii) Silk is called the of textiles.
- (iii) Which type of metamorphosis is found in the life cycle of silk moth ?
- (a) Hemimetaboly
 - (b) Paurometaboly
 - (c) Holometaboly
 - (d) Ametaboly
- (iv) The larva of *Bombyx mori* is commonly called
- (v) Select a bed disinfectant :
- (a) RKO
 - (b) Formaline Solution
 - (c) Bleaching power
 - (d) Sanitech
- (vi) Young age silkworms up to second instar are called
- (vii) Disease of mulberry plants characterized by 'shot holes' of the leaves is :
- (a) Leaf spot
 - (b) Leaf rust
 - (c) Powdery mildew
 - (d) Bacterial leaf blight

(viii) disease of silkworm shows transovarian transmission.

(ix) "Silk Mark Scheme" was started in :

(a) 1994

(b) 1998

(c) 2004

(d) 2008

(x) is the largest silk producing state in the country.

1×10=10

(b) Differentiate the following (two differences at least) :

(i) Degumming and Doubling

(ii) Moultling and Mountage

2×2=4

Section-B

2. Describe the classification and different kinds of silkworms on the basis of origin and geographic distribution.

14

3. (a) Describe types of races of silk moths on the basis of Voltinism.

(b) State three advantages of silk route.

12,2

Section-C

4. (a) What is Silk gland? Describe the structure and functions of silk glands.
(b) Why is sericulture said to be an eco-friendly industry ? 12,2
5. Give an account of the Life cycle of Mulberry silk moth. 14

Section-D

6. (a) Give an account of Moriculture.
(b) Name various chemical disinfectants used in Sericulture. 12,2
7. Describe the harvesting, drying and storage of cocoons of silkworms. 14

Section-E

8. Describe various pests and diseases of Silkworms and explain their pests and diseases management. 14
9. Write the full form of the following :
- (i) SMOI
 - (ii) CSRTI
 - (iii) CSB
 - (iv) ISEPC 4,4,3,3

Explain the role of above organization towards the silk industry.