

**2024/TDC (CBCS)/EVEN/SEM/
ZOOSEC-601T/026**

TDC (CBCS) Even Semester Exam., 2024

ZOOLOGY

(6th Semester)

Course No. : ZOOSEC-601T

(Sericulture)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

1. Answer any *three* of the following questions :

1×3=3

- (a)* Define sericulture.
- (b)* How many types of silk are there?
- (c)* What is 'queen of fibres'?
- (d)* Name one exotic species of silkworm.

(2)

2. Answer any one of the following questions : 2

- (a) What are exotic and indigenous races?
- (b) What do you understand by non-mulberry sericulture?

3. Answer any one of the following questions : 5

- (a) Write about the history and present status of sericulture in India.
- (b) Describe the rearing technique of mulberry silkworm.

UNIT—II

4. Answer any three of the following questions :
1×3=3

- (a) Write the scientific name of muga silkworm.
- (b) What are the food plants of *Bombyx mori*?
- (c) How many larval stages are present in the life history of *Bombyx mori*?
- (d) Where is silk gland exactly located in *Bombyx mori*?

(3)

5. Answer any one of the following questions : 2

- (a) How is the silk secreted in mulberry silkworm?
- (b) Write a note on the spinneret.

6. Answer any one of the following questions : 5

- (a) Describe the life cycle of *Bombyx mori* with diagram.
- (b) Describe the structure of silk gland with proper illustration.

UNIT—III

7. Answer any three of the following questions :

1×3=3

- (a) Name the equipments needed for rearing of silkworms.
- (b) Mention the importance of use of formalin.
- (c) What is harvesting in silkworm rearing technology?
- (d) What is cocoon?

8. Answer any one of the following questions : 2

- (a) What are rearing appliances?
- (b) What are early and late age rearings?

(4)

9. Answer any *one* of the following questions : 5

- (a) Write about harvesting and storage of cocoons.
- (b) Write a detailed note on the selection of mulberry varieties.

UNIT—IV

10. Answer any *three* of the following questions :

1×3=3

- (a) What is uzi fly?
- (b) Name one viral disease of silkworm.
- (c) Define pest.
- (d) Name one fungal disease of silkworm.

11. Answer any *one* of the following questions : 2

- (a) Write a note on the damage caused by dermestid beetles.
- (b) Name two protozoan diseases of silkworm.

12. Answer any *one* of the following questions : 5

- (a) Write a detailed note on the control and preventive measures of diseases of silkworm.

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(Continued)

(5)

- (b) Write about the different bacterial diseases of silkworm. Add a note on the pathogenesis of same.

UNIT—V

13. Answer any *three* of the following questions :

1×3=3

- (a) Muga silk is produced in which place of Assam?
- (b) What are mulberry and non-mulberry silk?
- (c) Name the board that is run by the Union Ministry of Trade and Commerce for India for protection of silk industry.
- (d) Name the major silk producing State of India.

14. Answer any *one* of the following questions : 2

- (a) What are the four components of integrated scheme for development of sericulture industry?
- (b) What are the employment opportunities in sericulture?

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(Turn Over)

15. Answer any *one* of the following questions : 5

- (a) Discuss about the employment potential in mulberry and non-mulberry sericultures in India.
- (b) Write a note on the prospects of sericulture in India.
