

2024/FYUG/ODD/SEM/
ZOOSEC-201T/070

FYUG Odd Semester Exam., 2024

ZOOLOGY
(3rd Semester)

Course No. : ZOOSEC-201T

(Sericulture)

Full Marks : 50

Pass Marks : 20

Time : 2 hours

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

UNIT—I

1. Answer any *three* from the following : $1 \times 3 = 3$
- (a) What is sericulture?
 - (b) Where was the silk industry originated in India?
 - (c) What do you understand by 'silk route'?
 - (d) Name one indigenous race of silk.
2. Differentiate between exotic and indigenous races of silkworms. 2

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(Turn Over)

(2)

OR

3. Name different species of silkworms. 2
4. Briefly discuss the history of sericulture in India. 5

OR

5. Discuss in detail the rearing techniques of non-mulberry silkworm. 5

UNIT—II

6. Answer any *three* from the following : 1×3=3
- (a) Give the scientific name of Muga silkworm.
- (b) Name the host plant of Bombyx mori.
- (c) How many larval stages are present in the life cycle of Bombyx mori?
- (d) Name one disease of Bombyx mori.

7. Write a short note on silk gland. 2

OR

8. How is silk secreted in mulberry silkworms? 2
9. Describe the life cycle of Bombyx mori. 5

OR

10. Describe the structure of silk gland with proper illustrations in Bombyx mori. 4+1=5

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(3)

UNIT—III

11. Answer any *three* from the following : 1×3=3

- (a) Name the equipments needed for rearing of Bombyx mori.
- (b) What is spinning?
- (c) What is RKO?
- (d) What is cocoon?

12. Write a note on the types of mountages used in sericulture. 2

OR

13. What are early age and late age rearings? 2

14. Why is disinfecting the rearing house important in sericulture? State the use of formalin and bleaching powder for this purpose. 1+4=5

OR

15. Write a note on harvesting and storage of cocoons. 5

UNIT—IV

16. Answer any *three* from the following : 1×3=3

- (a) Name one protozoan disease of silkworm.
- (b) Mention two major fungal diseases of silkworm.

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(4)

- (c) Write the scientific name of Uzi fly.
(d) Define pest.
17. Write a note on the damages caused by the dermestid beetles. 2
- OR**
18. Write a note on Pebrine disease. 2
19. Write about different bacterial diseases of silkworms. Add a note on the viral diseases of silkworm. 3+2=5
- OR**
20. Write about the control and preventive measures of different diseases in silkworms. 5

UNIT—V

21. Answer any three from the following : 1×3=3
- (a) Name the major silk-producing States in India.
- (b) What is non-mulberry sericulture?
- (c) Name the place where Muga silk is produced in Assam.
- (d) Name the board that is run by the Union Ministry of Trade and Commerce in India for protection of silk industry.
22. Name the important components of sericulture industry. 2

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(5)

- OR**
23. Write about the employment opportunities in sericulture. 2
24. Discuss the prospects of sericulture in India. 5
- OR**
25. Write a short note on entrepreneurship in sericulture. Add a note on the employment potential in sericulture. 3+2=5

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