

**2025 / FYUG / ODD / SEM /
ZOOSEC-201T / 338**

FYUG Odd Semester Exam., 2025

**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

Answer any three from the following : 1×3=3

- (a) Write the scientific name of mulberry silkworm.
- (b) Define sericulture.
- (c) What is silk route?
- (d) Write two salient features of sericulture.

Answer any one from the following : 2

- (a) Write a note on exotic and indigenous races of silkworms.

(Turn Over)

(2)

- (b) Give the scientific names of different types of silkworms.

3. Answer any one from the following :
- (a) Discuss the present status of sericulture in India and mention the distribution and races of silkworms.
- (b) Describe the rearing technique of mulberry silkworms.

UNIT—II

4. Answer any three from the following : $1 \times 3 = 3$
- (a) Write the systematic position of mulberry silkworm.
- (b) What is silk? What is its composition?
- (c) Mulberry plants belong to which family?
- (d) Name the host plant of *Bombyx mori*.

- Answer any one from the following :
- (a) Write four important uses of silk.
- (b) Write a short note on silk glands.

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(3)

- Answer any one from the following : 5
- (a) Describe the life cycle of *Bombyx mori*.
- (b) Briefly describe the structure of silk gland and mention how silk is secreted in mulberry silkworms. $3+2=5$

UNIT—III

5. Answer any three from the following : $1 \times 3 = 3$
- (a) What is RKO?
- (b) What is cocoon?
- (c) Write the chemical formula of bleaching powder.
- (d) Name one commonly used disinfectant.

6. Answer any one from the following : 2
- (a) Write a short note on early and late age rearing of silkworms.
- (b) Discuss briefly spinning in sericulture.

9. Answer any one from the following : 5
- (a) Describe how mulberry variety of silkworms is selected and briefly describe the establishment of mulberry garden in sericulture. $2+3=5$

(Turn Over)

(4)

- (b) Discuss the harvesting and storing of cocoons.
- UNIT—IV

10. Answer any three from the following : $1 \times 3 = 3$
- (a) Name one fungal disease of silkworm.
 - (b) Mention one viral disease of silkworm.
 - (c) What is Uzi fly?
 - (d) Write two major pests of silkworm.
11. Answer any one from the following : 2
- (a) Write a short note on dermestid beetles.
 - (b) What are the diseases as found in mulberry worms?
12. Answer any one from the following : $2\frac{1}{2} + 2\frac{1}{2} = 5$
- (a) Discuss the different viral and protozoan diseases of silkworms. $3 + 2 = 5$
 - (b) Describe the fungal disease of silkworms and state their control measures. Name two major leaf-eating pests in mulberry plants.

(Continued)

(5)

UNIT—V

Answer any three from the following : $1 \times 3 = 3$

- (a) Name two non-mulberry silk variety.
- (b) Name one silk-producing State in India.
- (c) Muga silk is produced in which place of Assam?
- (d) What are the important components of sericulture industry?

Answer any one from the following : 2

- (a) Discuss briefly the potentials in non-mulberry sericulture.
- (b) Enumerate the employment opportunities in sericulture.

15. Answer any one from the following : 5

- (a) Describe the prospects of sericulture in India.
- (b) Discuss briefly the sericulture industry in different States in India.

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