(6 pages)

Reg. No. : .....

Code No. : 10038 E **Sub. Code : CEZO 61**

B.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2025.

Sixth Semester

Zoology

Elective – SERICULTURE

(For those who joined in July 2021 and 2022 only)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Most popular method of propagation of mulberry in South India is
   (a) Cutting
   (b) Seedling
   (c) Layering
   (d) Grafting

2. Mulberry plant can grow better in
   (a) Red soil (b) Black soil
   (c) Loamy soil (d) Clay soil

3. Fungal disease of Mulberry
   (a) Dwarf disease
   (b) Nematode disease
   (c) White Root rot
   (d) Bacterial rot

4. The nematode parasite affecting Mulberry plant is
   (a) Meloidogne (b) Mycoplasma
   (c) Trichoderma (d) Pseudomonas

5. The anterior end of egg of silkmoth has an opening called _____.
   (a) Spiracle (b) Micropyle
   (c) Spinneret (d) Heron

6. Silk glands are modified _____ glands.
   (a) Salivary (b) Labial
   (c) Tracheal (d) Intestinal

7. Disinfection of diseased larvae is done by

(a) 2% HCl

(b) 2% H_2SO_4

(c) 2% formalin

(d) 2% nitric acid

8. Which of the following is not used in brushing method?

(a) Feather (b) Husk

(c) Foam rubber (d) Net

9. The process of killing the pupa inside the cocoon shell

(a) Reeling (b) Shifting

(c) Rearing (d) Brushing

10. Pebrine is a

(a) Bacterial disease

(b) Viral disease

(c) Fungal disease

(d) Protozoan disease

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Narrate morphology of Mulberry plant.

Or

(b) What is the role of Central Silk Board.

12. (a) Describe the causative agent, impacts and control measures of root rot diseases of Mulberry.

Or

(b) Give an account on the deficiency disease of Magnesium and Calcium.

13. (a) Write a brief note on Voltinism.

Or

(b) Explain the excretory system of Bombyx mori with a diagram.

14. (a) Describe bed cleaning in Sericulture.

Or

(b) Write notes on Chawki rearing.

15. (a) Explain the causative organism, symptoms and control measures of muscardine.

Or

(b) Describe the different methods of reeling process.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Give a detailed account on manuring in Moriculture.

Or

(b) "Sericulture as a cottage Industry" – Discuss.

17. (a) Give an account on viral diseases which affect mulberry plant.

Or

(b) Describe the pests of mulberry.

18. (a) Explain the life cycle of silk moth with a suitable diagram.

Or

(b) Describe the female reproductive system of silk moth.

19. (a) Write an essay on rearing appliances for silkworm.

Or

(b) Write an essay on cocoon marketing.

20. (a) Explain the by products of reeling.

Or

(b) Give an account on bacterial diseases of silkworm.

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