

(6 pages)

Reg. No. :

Code No. : 30390 E Sub. Code : CEZO 61

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

Sixth Semester

Zoology — Elective

Core 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. The central silk board is located in
(a) Chennai (b) Bangalore
(c) Mysore (d) Mumbai
2. This chemical is used as growth stimulant in mulberry plant
(a) Triacontanol (b) Phenol
(c) Potassium (d) Urea

3. Dawn disease of mulberry plant is
(a) Bacterial disease (b) Fungal disease
(c) Viral disease (d) None of them
4. Root knot disease in mulberry is caused by
(a) Bacteria (b) Fungi
(c) Virus (d) Nematode
5. The sex pheromone released by female mulberry silkworm is
(a) Periplanone (b) Dioic acid
(c) Bombykol (d) None of these
6. The main excretory organ of silkworm is
(a) Nephrons
(b) Skin
(c) Malpighian tubules
(d) Antenna
7. The bamboo spiral appliance used for silkworm mounting is
(a) Tray (b) Chandrika
(c) Veronika (d) Bamboo pole

8. The first two stages of young silkworm rearing is called as
(a) Chawki rearing (b) Chanrika rearing
(c) Brushing (d) None of these
9. Sotro disease in silkworm is caused by
(a) Bacteria (b) Virus
(c) Fungi (d) none of these
10. Applying hot air or steam to kill the pupae of cocoon is called
(a) Brushing (b) Stifling
(c) Sorting (d) Heating

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Briefly discuss about high yielding varieties of mulberry plants.
Or
(b) Write short note on biofertilizers and green manuring for moriculture

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12. (a) Discuss about the fungal diseases of silkworm.
Or
(b) Compare the deficiency diseases of magnesium and calcium.
13. (a) Explain briefly about the respiratory system of silkworm.
Or
(b) Write short note on voltinism and races of silkworm.
14. (a) Draw the CSB model of silkworm rearing house.
Or
(b) Discuss about maintaining optimum condition in silkworm rearing house.
15. (a) Categorize the cocoon based on the marketing qualities.
Or
(b) Appraise the uses of silk waste and bioproducts of silk reeling.

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PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Elaborate about moriculture for the sericulture industry.

Or

- (b) Discuss about irrigation and manuring practices for mulberry plants.

17. (a) Appraise the impact of different types of diseases of silkworm.

Or

- (b) Compare the different types of nutrient deficient diseases of mulberry plants.

18. (a) Draw and illustrate the life cycle of Bombyx mori.

Or

- (b) Describe the endocrine and other glands of silkworm and their role.

19. (a) Compare Chawki rearing and late age larva rearing.

Or

- (b) Discuss about method of harvesting cocoon, segregation and marketing.

20. (a) Appraise about different types of bacterial and viral diseases of silkworm.

Or

- (b) Give a detail description about stifling, deflossing, brushing and silk reeling.