

(6 pages)

Reg. No. :

Code No. : 10366 E Sub. Code : EEZO 5 B

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

Fifth Semester

Zoology

Elective – SERICULTURE

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The Seriboost is useful for
(a) Mulberry growth (b) Silk cocoon
(c) Flacherie (d) Silk moth
2. The ideal temperature for growing mulberry is
(a) 22–25°C (b) 23–26°C
(c) 22–29°C (d) 25–30°C

3. Dawn disease of mulberry plant is
(a) Bacterial disease
(b) Fungal Disease
(c) Viral Disease
(d) None of them
4. The causative agent of white rot disease is
(a) *Rosellinia nectarix*
(b) *Fusarium oxysporum*
(c) Trichoderma
(d) Bacillus
5. Unique feature of Univoltine races have a
(a) Longer pupal period
(b) Shorter pupal period
(c) Shortest pupal period
(d) No pupal period
6. Seriotenes (silk glands) are modified form of
(a) Intestinal glands
(b) Gastric glands
(c) Endocrine glands
(d) Salivary glands

7. The recommended time for harvesting the cocoons
- Soon after spinning the cocoon
 - Second day of spinning the cocoon
 - Seventh day of spinning the cocoon
 - After emergence of moth
8. Chandrika is
- A kind of race of silkworm
 - A kind of moutage
 - A kind of reeling machine
 - A kind of mulberry
9. _____ is the bacterial disease of silk worm
- Septicemia
 - Pebrin
 - Muscardine
 - Gattine
10. Reeling of silk worm is
- A process of maling silk reels
 - The spinning of silk fibres
 - The weaving of silk cloth
 - The process of taking silk threads from the cocoon

PART B — (5 × 5 = 25 marks)

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

11. (a) Enlist and explain the role of central silk board.
- Or
- (b) Write short note on high yielding varieties of mulberry plants.
12. (a) Describe the causative agent, impacts and control measures of root rot disease.
- Or
- (b) Comment viral disease of mulberry leaves.
13. (a) Give explanation about habit and habitats of silkworm.
- Or
- (b) Write a note on endocrine glands of silkworm.
14. (a) What are the criteria in taking care during mounting?
- Or
- (b) List out the steps involved in rearing operation in sericulture.

15. (a) Write a note on Septicemia.

Or

(b) Comment on cocoon boiling and deflossing.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Rearing silkworm offers classic example in cottage industry. Justify.

Or

(b) Enumerate on methods of propagation.

17. (a) Write an elaborate account on nutritional deficiency diseases of mulberry.

Or

(b) Give an account on pests of mulberry.

18. (a) Explain the structural organization and functions of silk gland.

Or

(b) Write an essay on life cycle of mulberry silkworm with a suitable diagram.

19. (a) Describe the different methods adopted in rearing of silk Worms.

Or

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

20. (a) Write an essay on viral and bacterial diseases of silk worms.

Or

(b) Brief the machines and equipments used in silk reeling.