

(6 pages)

Reg. No. :

**Code No. : 10707 E Sub. Code : JMZO 5 A/
SEZO 5 A**

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2020.

Fifth Semester

Zoology – Main

Major Elective – I — SERICULTURE

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Study of Mulberry Plant is
 - (a) Sericulture (b) Vermiculture
 - (c) Moriculture (d) Weed culture

2. The mysore local mulberry variety is commonly called
- (a) Kanva – 2 (b) Mysore – 5
(c) Natikaddi (d) Viswa – DD
3. Nitrogen deficiency leads to
- (a) Stunted growth
(b) Leaves fall off
(c) Very dark green leaves
(d) Both (a) and (b)
4. Periodical cutting of leaves is called
- (a) Guttation (b) Gropping
(c) Pruning (d) Cutting
5. The egg of silkworm is the following type
- (a) Centrolecithal (b) Alecithal
(c) Megalecithal (d) Microlecithal
6. Moulting occurs during silkworm life is
- (a) 4 times (b) 3 times
(c) 5 times (d) 2 times

7. Which protein is secreted by the posterior region of the silk gland?
- (a) Sericin (b) Fibroin
(c) Myosin (d) Tubulin
8. Chandrika is used for
- (a) Mountage (b) Reeler
(c) Threader (d) Spinner
9. The process of killing the pupae inside the cocoon shell
- (a) Reeling (b) Ridling
(c) Stifling (d) Cooking
10. Muscardine disease is also called
- (a) Calcino
(b) Silk worm rot disease
(c) Gattine
(d) Both (a) and (b)

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Write the importance of sericulture.

Or

- (b) Write about the central silk board.

12. (a) Write a note on borer pests.

Or

- (b) Describe the nitrogen deficiency diseases of mulberry.

13. (a) Describe the structure of silk gland.

Or

- (b) Write notes on cocoon.

14. (a) Describe briefly Chawki rearing.

Or

- (b) Write notes on the uses of the wastes of silkworm.

15. (a) Write a notes on Uzi fly.

Or

- (b) Write notes on sotto and court diseases.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain the morphology of mulberry with a neat diagram.

Or

- (b) Describe the different grafting techniques in mulberry cultivation.

17. (a) Explain leaf eating pests of mulberry plant.

Or

- (b) Narrate viral diseases of mulberry.

18. (a) Explain the different types of voltinism.

Or

- (b) Describe the Endocrine glands in silkworm.

19. (a) How will construct rearing house for silkworm?

Or

- (b) Write an essay on defective cocoons.

20. (a) What is silk waste and by products of silk reeling? Explain.

Or

- (b) Write an essay on Flacherie disease.
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