

(6 Pages)

Reg. No. :

Code No. : 20395 E Sub. Code : AEZO 61

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2023

Sixth Semester

Zoology

Major Elective — SERICULTURE

(For those who joined in July 2020 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The ideal temperature for growing mulberry is

- (a) 22 - 25°C (b) 23 - 26°C
(c) 24 - 29°C (d) 25 - 30°C

2. Which biofertilizer used in mulberry?

- (a) Azospirillum (b) Rhizobium
(c) Azolla (d) Mycorrhiza

3. The causal organism for root knot disease is

- (a) *Meloidogyne incognita*
(b) *Lasiodiplodia theobromae*
(c) *Peridiospora mori fungus*
(d) *Cercospora moricola*

4. _____ deficiency leads to reduced growth in mulberry.

- (a) Nitrogen (b) Phosphorous
(c) Potassium (d) Magnesium

5. Which is the young age silkworm?

- (a) Pupa
(b) Adult
(c) Spinning worms
(d) Chawki

6. Sericteries (silk glands) are modified form of

- (a) Intestinal glands
(b) Gastric glands
(c) Endocrine glands
(d) Salivary glands

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7. Foam rubber strips is used to maintain high humidity in bed of

- (a) Adult worms (b) Young worms
(c) Pupae (d) Cocoon

8. The young age silkworm rearing houses are often called as

- (a) Chawki rearing centre
(b) Shelf rearing centre
(c) Floor rearing centre
(d) Shoot rearing centre

9. ——— is the bacterial disease of silk worm.

- (a) Septicemia (b) Pebrin
(c) Muscardine (d) Gattine

10. Reeling of silk is

- (a) a process of making silk reels
(b) the spinning of silk fibres
(c) the weaving of silk cloth
(d) the process of taking silk threads from the cocoon

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PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) List out the role of central silk board.

Or

(b) Write short note on high yielding varieties of mulberry plants.

12. (a) What are the pests that affects the mulberry leaves?

Or

(b) Comment on nematode disease of mulberry.

13. (a) Give a detailed note on voltinism.

Or

(b) Write a note on endocrine glands of silkworm.

14. (a) Give an account on Chawki rearing.

Or

(b) List out the steps involved in rearing operation.

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15. (a) Write a note on fungal disease of silkworm.

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) Write an essay on manuring mulberry plant.

Or

- (b) Enumerate on methods of propagation.

17. (a) Comment on fungal and bacterial diseases of mulberry.

Or

- (b) Give an account on deficiency diseases.

18. (a) Write a note on :

- (i) Digestive system of silkworm
- (ii) Circulatory system of silkworm.

Or

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

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19. (a) Give an account on rearing operation.

Or

- (b) What is mounting? Explain the methods and precautions of mounting.

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

Or

- (b) Give an account on different methods and process of reeling.

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