

(6 pages)

Reg. No. :

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

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2019.

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. Native of Sericulture

- (a) Japan (b) China
(c) India (d) Korea

2. Silk contain a protein known as

- (a) Fibroin (b) Casein
(c) Sericin (d) (a) and (c) both

3. Causative organism of White root rot disease is

- (a) Rosellinia necatrix
(b) Polyporus hispidus
(c) Helicobasidium
(d) Phoma exigua

4. Potassium used to control _____ disease of mulberry.

- (a) Protozoan (b) Shownia
(c) Fungus (d) Viral

5. Bombyx mori has _____ number of eggs.

- (a) 200 – 300 (b) 300 – 500
(c) 400 – 600 (d) 500 – 700

6. Silk is produced by

- (a) Larva and adult moth
(b) Larva
(c) Adult moth
(d) Cocoon

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7. Basic chemicals used for disinfection is
 (a) Chlorine (b) Acetone
 (c) Sulphur (d) Nitrate
8. Moultling of silkworm larva in the life span of commercial races
 (a) 2 (b) 4
 (c) 7 (d) 6
9. Pebrine disease affected larva popularly called
 (a) Lean worms (b) thick worms
 (c) weak worm (d) uneven size
10. Morator is the causative pathogen for silkworm disease of ————
 (a) viral (b) bacterial
 (c) Protozoan (d) Parasite

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) Explain the methods of Mulberry irrigation.

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12. (a) Explain the Fungal disease of Leaf spot

Or

- (b) Briefly explain about the root knot disease in mulberry.

13. (a) Discuss the Digestive system of silkworm larva.

Or

- (b) Describe the structure of silkworm egg.

14. (a) Write the types of defective cocoons.

Or

- (b) Write an account on Brushing of silkworm rearing.

15. (a) Describe the Bacterial disease of Septicaemia.

Or

- (b) Explain the storage of Cocoons.

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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 the Mulberry Seedling propagation.

Or

- (b) Write a detailed account on organic manuring in mulberry cultivation.

17. (a) Write an account on fungal root disease of mulberry plant.

Or

- (b) Enumerate the Nutrient deficiency of Mulberry plant.

18. (a) Enumerate the excretory system of silkworm larvae.

Or

- (b) Explain the Voltinism of Silkworm.

19. (a) Write the account on late age silk worm rearing.

Or

- (b) Describe the silk worm rearing house.

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

Or

- (b) Explain the Sorting of the silkworm cocoon.

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