

(6 pages)

Reg. No. :

Code No. : 20589 E Sub. Code : CEZO 61

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2024

Sixth Semester

Zoology

Core Elective - I - SERICULTURE

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A - (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The cultivation of mulberry plant is called as
(a) Silviculture (b) Sericulture
(c) Moriculture (d) Tissue culture
2. The Scriboost is useful for
(a) Mulberry growth (b) Silk cocoon
(c) Flaeherie (d) Silk moth

8. A device that prevents ant from entering into the silkworm rearing rack is called
(a) Fly trap (b) Ant trap
(c) Ant well (d) None of these
9. The pebrine disease caused to silkworm by
(a) Berrelina virus
(b) Polyhedrosis
(c) Nosema bombycis
(d) None of these
10. Uzi flies are pests of _____
(a) silk worm (b) mulberry
(c) non-mulberry (d) eri

PART B - (5 × 5 = 25 marks)

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

11. (a) Write short note on Central silk board.

Or

- (b) Briefly discuss about green manuring for mulberry plants.

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3. Mulberry leaf mosaic disease is a
(a) Bacterial disease
(b) Fungal disease
(c) Viral disease
(d) None of them
4. Yellowing of leaves in early stage, poor and stunted growth and development of plant is the deficiency of
(a) Nitrogen (b) Phosphorus
(c) Magnesium (d) Potassium
5. The mulberry cocoon produced once in a year is called
(a) Univoltine (b) Bivoltine
(c) Multivoltine (d) None of these
6. Which of the following silk is not produced in India?
(a) Tassar silk (b) Mulberry silk
(c) Muga silk (d) American silk
7. Silk is produced by
(a) Larva
(b) Pupa
(c) Adult moth
(d) Larva and Adult moth

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12. (a) What are the fungal diseases affecting mulberry plants?
Or
(b) Explain about the insect pests of mulberry and their control measures.
13. (a) Write about the different types of silkworms reared in India.
Or
(b) Draw and illustrate the digestive system of silkworm.
14. (a) What are the rearing appliances used for sericulture?
Or
(b) Write a briefly about application of Sampoorna.
15. (a) Write short note on cocoon boiling and deflossing.
Or
(b) Write about any two viral diseases of silkworm and its control.

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PART C — (5 × 8 = 40 marks)

Answer ALL questions by choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Discuss about the significance of sericulture as cottage industry.

Or

- (b) What are the high yielding varieties of mulberry and method of propagation of mulberry?

17. (a) Write about the nutritional deficiency diseases of mulberry plants.

Or

- (b) Discuss about the fungal and protozoan diseases of silkworm.

18. (a) Draw and describe the life cycle of mulberry silkworm.

Or

- (b) Explain about the nervous system and reproductive system of silkworm.

19. (a) Give a detail information about methods of cultivation of mulberry silkworm.

Or

- (b) How are the cocoons segregated and used for cocoon marketing?

20. (a) Write about cocoon stifling, boiling and deflossing.

Or

- (b) Discuss about the silk waste and the by products of silk reeling.