

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) What is spacing? Explain in detail.
Or
(b) Write an account compost using sericulture wastes.
17. (a) Write an account on any two bacterial and viral disease of silkworm.
Or
(b) Discuss about reeling operation.
18. (a) Write the nitrogen deficiency effects of mulberry growth.
Or
(b) Classification based on number of larval moults.
19. (a) What is rearing house rearing appliances?
Or
(b) Explain causative agent.
20. (a) Explain life cycle of bombyx mori.
Or
(b) Describe non mulberry silkworm.

Reg. No. :

Code No. : 5399

Sub. Code : PZOE 41

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2022

Fourth Semester

Zoology — Core

Elective — SERICULTURE

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The sericulture industry was first established in
(a) China (b) Japan
(c) Africa (d) India
2. The rearing of silkworm is called
(a) Moriculture (b) Sericulture
(c) Silvi culture (d) Apiculture



3. In mulberry mucoplasma causes
 - (a) Dwarf disease (b) Rot diseases
 - (c) Yellow diseases (d) Anthranose
4. Short borer pest of mulberry plant is
 - (a) Stick insect (b) Termites
 - (c) Mites (d) Snails
5. The ducts of silk gland open at the end of
 - (a) Mouth (b) Anal end
 - (c) Spinneret (d) Mouth parts
6. Pupa is otherwise known as
 - (a) Chrysalis (b) Imago
 - (c) Caterpillar (d) Cocoon
7. Moultng occurs during the life of silkworm
 - (a) 4 times (b) 3 times
 - (c) 2 times (d) 1 time
8. Mature larva is used for
 - (a) Rearing (b) Reeling
 - (c) Moulting (d) Mounting
9. Fungal disease of silkworm is
 - (a) Muscardine (b) Flacherie
 - (c) Pebrine (d) Sotto disease

10. The symptoms of grasseria disease
 - (a) Fever (b) Headache
 - (c) Jaundice (d) Gastric problem

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Describe the optimum condition for the growth of mulberry plant.
Or
(b) Write an essay on fungal leaf disease.
12. (a) Draw morphology of mulberry plant.
Or
(b) Explain pruning and storing of mulberry leaves.
13. (a) What are the sericulture products explain.
Or
(b) Describe treatment of bacterial disease of mulberry.
14. (a) Explain characteristics of cocoon stifling types.
Or
(b) Write about country charka.
15. (a) Describe cocoon marketing system.
Or
(b) Explain silkworm rearing.

