

B Sc DEGREE END SEMESTER EXAMINATION - JULY 2021
SEMESTER 4 : COMPLEMENTARY ZOOLOGY FOR B Sc BOTANY
COURSE : 19U4CPZOO04 : APPLIED ZOOLOGY
(For Regular - 2019 Admission)

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. Comment any two silk worm species ?
2. Write the scientific name of any two earth worm species
3. Write an account on silk gland ?
4. Define supering
5. Point out some natural conditions required for pearl culture
6. Name any two fresh water fish species of Indian origin, used for aquaculture.
7. What is the scientific name of Guppy?
8. What are exotic species of fishes?

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. Compare mulberry silk worm and tassar silk worm ?
10. Compare Cement pit from Soil pit ?
11. Describe the fungal disease of silk worm larva
12. What you know about Honey bee ? Give its systematic position
13. List out the basic steps involved in the commercial production of honey
14. Write the common names of any four species of 'live bearer' fishes used in freshwater aquaria
15. What is brackish water aquaculture?
16. Explain different types of soil used in aquarium setting

(2 x 6 = 12)

PART C

Answer any 4 (4 marks each)

17. Explain the life history of silk worm. Briefly describe silk worm rearing techniques.
18. Describe briefly on different bacterial and fungal diseases of honey bees.
19. Describe the summer and winter management of an apiary
20. Explain the working of a biological filter in an aquarium.
21. Explain the functioning of different types of water filters used in Aquaria
22. Give an account on different aquarium fishes.

(4 x 4 = 16)

PART D

Answer any 2 (12 marks each)

23. Explain the process of vermicomposting?
24. Evaluate bee dance as a way of communication and teaching in bee colony. Add notes on absconding and swarming behaviour of bees
25. Outline the steps involved to obtain high grades of pearls. Specify the relevance of nacre in pearl culture
26. Give an account on the role of biotic and abiotic factors on aquaculture

(12 x 2 = 24)