B. Sc. DEGREE END SEMESTER EXAMINATION : MARCH 2023
SEMESTER 4 : COMPLEMENTARY ZOOLOGY FOR BOTANY
COURSE : **19U4CPZOO04 : APPLIED ZOOLOGY**
(For Regular - 2021 Admission and Improvement / Supplementary - 2020 / 2019 Admissions)

Time : Three Hours   Max. Marks: 60

PART A
Answer All (1 mark each)

1. What is the common name of *Macrobrachium rosenbergii*?
2. What is 'overall' in honeybee industry?
3. What are biological filters?
4. What are stocking ponds?
5. Name two pests of silkworm.
6. What are anecic worms?
7. What is Flacherie?
8. What is the scientific name of Guppy?

(1 x 8 = 8)

PART B
Answer any 6 (2 marks each)

9. What is aquarium management?
10. Recall the step of stifiling ?
11. Name any two bacterial disease in fish. Explain anyone.
12. Describe about the Maggot disease in silkworm.
13. Write on bee escapes.
14. What happens if the aquaculture pond is having too much algal blooms?
15. Justify the statement "birds are a threat to honey bee colonies"
16. Evaluate the role of worm casts in pedogenesis?

(2 x 6 = 12)

PART C
Answer any 4 (4 marks each)

17. Workers are the bees performing all the labors of the hive. Evaluate.
18. List out and comment on the different tools employed in an apiary.
19. Explain the working of a biological filter in an aquarium.
20. Write note on different types of ponds used in culture of fishes.
21. Explain different methods of fish preservation.
22. Explain the steps involved in the rearing of silkworm.

(4 x 4 = 16)

PART D
Answer any 2 (12 marks each)

23. Outline the steps involved to obtain high grades of pearls. Specify the relevance of nacre in pearl culture.

24. In your house, the kitchen waste pollutes the surrounding. How can you convert it into an eco-friendly product using vermiculture?

25. Give an account of honey and its uses. Add a note on byproducts of beekeeping industry and their uses.

26. Elaborate the important aspects in setting up of a freshwater aquarium.

(12 x 2 = 24)