

B.Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2020**SEMESTER – 4: ZOOLOGY (COMMON FOR ZOOLOGY (CORE) & BOTANY (COMPLEMENTARY))****COURSE: 15U4CRZOO4-15U4CPZOO4: APPLIED ZOOLOGY**

(For Regular - 2018 Admission and Supplementary / Improvement 2017, 2016, 2015 Admissions)

Time: Three Hours

Max. Marks: 60

PART A

*Answer **all** questions. Each questions carry **1** mark*

1. Name the various castes in a bee colony.
2. Which are three major groups of earthworms based on ecological strategies?
3. What is silk?
4. Name the different type of fisheries with one example.
5. What is meant by pisciculture?
6. In which form are nitrogenous products of earthworm metabolism returned to the soil?
7. Name two products of Apiculture.
8. What is reeling of silk? (1 x 8 = 8)

PART B

*Answer **any Six** questions. Each questions carry **2** mark*

9. Write a note about pearl culture.
10. Comment on the pupa of silkworm.
11. What are the favourable conditions for earthworms in the composting material?
12. Comment on pierced coccons.
13. Write a note on the uses of honey.
14. Mention the factors affecting earthworm distribution.
15. What are the basic components required for setting an aquarium?
16. What is Apiculture? What are the basic practices involved in it? (2 x 6 = 12)

PART C

*Answer **any Four** questions. Each questions carry **4** mark*

17. Describe about harvesting and stifling of cocoons.
18. Write a note Fish preservation and processing
19. Comment on Integrated Aquaculture
20. Describe about the bee keeping methods and equipments.
21. Write a short note on any two cultivable fish species.
22. Write an account of pit preparation in vermiculture. (4 x 4 = 16)

PART D

*Answer **any Two** questions. Each questions carry **12** mark*

- 23. Write an account on Physical and Chemical effects of Vermiculture on soil
- 24. Give an account on Diseases and pests of honey bees and its control measures.
- 25. Write a note on induced breeding in fishes.
- 26. Describe mussel culture

(12 x 2 = 24)
