

B. Sc. DEGREE END SEMESTER EXAMINATION MARCH 2018

SEMESTER – 4: ZOOLOGY (COMMON FOR ZOOLOGY (CORE) & BOTANY (COMPLEMENTARY))

COURSE: 15U4CRZOO4-15U4CPZOO4: APPLIED ZOOLOGY

Common for Regular (2016 Admission) & Supplementary (2015 Admission)

Time: Three Hours

Max. Marks: 60

PART A*Answer **all** questions. Each Question carries **1** mark*

1. Name two species of earthworms suitable for vermiculture?
2. Define apiary
3. Comment on aquaculture
4. Write the role of Biological filter in an aquarium.
5. What is Royal jelly?
6. Name four culture fishes?
7. What is shiffling of cocoon?
8. What do you mean by Bee Pasturage? (1 x 8 = 8)

PART B*Answer **any Six** questions. Each question carries **2** marks.*

9. Explain swarming in honey bees
10. Mention the uses of honey.
11. List the major steps in induced breeding in fishes
12. What is Composite culture?
13. Mention the Importance of Algae in aquaculture
14. What is meant by reeling of silk?
15. What are the methods of preservation of fishes?
16. Name any two Pearl producing bivalves. (2 x 6 = 12)

PART C*Answer **any Four** questions. Each question carries **4** marks.*

17. Explain various steps involved in vermicompost preparation?
18. Comment on 4 species of silk moth?
19. Write a note on Mussel Culture

20. What are the desirable features of vermicomposting earthworm species?
21. Explain Integrated Fish Culture?
22. Write short notes on various diseases of honey bees? (4 x 4 = 16)

PART D

*Answer **any Two** questions. Each question carries **12** marks.*

23. Comment on the species of honey bees used in apiculture. Explain various bee keeping methods and equipments in apiary management and maintenance
24. Give a detailed account of Pearl culture.
25. Explain the life history of silk worm. Briefly describe silk worm rearing techniques
26. Explain the reproduction and life cycle of earthworm. Add a note on advantages of Vermicompost. (12 x 2 = 24)
