

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH/APRIL 2019**SEMESTER – 4: ZOOLOGY (COMMON FOR ZOOLOGY (CORE) & BOTANY (COMPLEMENTARY))****COURSE: 15U4CRZOO4-15U4CPZOO4: APPLIED ZOOLOGY**

(Common for Regular 2017 admission and improvement 2016/ supplementary 2016/2015 admission)

Time: Three Hours

Max. Marks: 60

PART A

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

1. Name 2 common species of honey bee.
2. Define vermicomposting.
3. What is sericulture?
4. Name any two diseases of fishes.
5. What is pond culture?
6. Soil structure is greatly influenced by which two major activities of earthworms?
7. How is a cocoon formed in sericulture?
8. What is bee pasturage?

(1 x 8 = 8)

PART B

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

9. Write note on *Tilapia*.
10. Comment on the properties of silk.
11. Write a note on reproduction in earthworms.
12. What is a silkworm? Mention the stages of development.
13. Write a note on 'Bee dance'
14. What are the criteria for keeping a fish as ornamental fish?
15. Mention the different methods for mussels farming.
16. What is vermiwash?

(2 x 6 = 12)

PART C

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

17. Write note on biological filter and aeration.
18. Write a note on silkworm diseases.
19. Write an account on rearing of worms in sericulture.
20. Describe the uses of beeswax.
21. Briefly describe the benefits of vermicomposting.
22. What are the adaptations and role of worker in a honey-bee colony?

(4 x 4 = 16)

PART D

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

23. Write an account on the life cycle of silkworm.
24. Give an account on Organization of honeybee colony.
25. Describe pearl formation
26. Describe the setting up of an aquarium and its management

(12 x 2 = 24)
