



QP CODE: 24000754

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024**

**Sixth Semester**

**CORE COURSE - ZY6CRT12 - OCCUPATIONAL ZOOLOGY (AQUACULTURE,  
APICULTURE, VERMICULTURE & QUAIL FARMING)**

Common for B.Sc Zoology Model I, B.Sc Zoology Model II Aquaculture, B.Sc Zoology and Industrial Microbiology Model III Double Main, B.Sc Zoology Model II Food Microbiology, B.Sc Zoology Model II Medical Microbiology & B.Sc Biological Techniques and Specimen Preparation Model III

2017 Admission Onwards

B37A6B38

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Name the inventor of movable frame hive.
2. What is a forager worker in apiculture?
3. Name the communication method used by honey bee when food source is nearby.
4. Abbreviate CBRTI.
5. Name an endogeic earthworm used in vermicomposting.
6. What is vermicomposting?
7. What is the age class of starter in Quail farming?
8. What are Bheries?
9. What is Thermocline?
10. Name the tropical leguminous plant from which Derris Powder is produced.
11. Define stocking ratio in aquaculture.
12. Name a live bearing ornamental fish, culturing in Kerala.

(10×1=10)



### Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Describe the management and maintenance of an apiary.
14. Enemies of honey bees are the major threat to apiculture, discuss.
15. Explain the use of honey and different methods available to assess its quality.
16. Explain different steps involved in the management and maintenance of vermicomposting unit.
17. Write the characteristic feature of quail birds and their importance.
18. Describe the objectives and scope of aquaculture.
19. Explain about major protozoan diseases of aquaculture system.
20. Explain various methods involved in the removal of waste from an aquarium.
21. Give an account on bacterial and fungal diseases of aquarium fishes.

(6×5=30)

### Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Social organization is a unique feature in honey bee colony. Explain.
23. Different types of bee keeping methods and equipments are used in apiculture. Explain.
24. Explain different steps and types of mussel culture.
25. Write an essay on establishment of commercial ornamental fish culture unit.

(2×10=20)

