

TB244522N

Reg. No : .....

Name : .....

**BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024**  
**2022 ADMISSIONS REGULAR**  
**SEMESTER IV - Botany COMPLEMENTARY COURSE 2 (ZOOLOGY )**  
**ZY4C01B18 - Applied Zoology**

**Time : 3 Hours**

**Maximum Marks : 60**

**Part A**

**I. Answer any Ten questions. Each question carries 1 mark**

**(10x1=10)**

1. Comment on Polyculture.
2. Define Brackish water aquaculture.
3. What is curing?
4. Define Mariculture.
5. Differentiate between Univoltine and Bivoltine silkworm.
6. Explain spun silk.
7. Why the larva of silkworm is known as "ant worms"?
8. Differentiate between small scale and large scale Vermicomposting.
9. Define Vermicomposting.
10. Write note on Dammar bees.
11. Describe on the smoker used in Apiculture.
12. Describe queen excluder.

**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. Write notes on the various parasitic and non-parasitic diseases in fishes.
14. Comment on the various physical factors of pond.
15. Describe briefly the various purposes of aquaculture.
16. Explain about various types of aquaculture.
17. Define mounting of silkworm. Comment on various methods and precautions used for silkworm mounting.
18. Describe briefly on life history of silkworm.
19. With suitable diagram explain the stages involved in reproduction and life cycle of earthworm.
20. Explain the social life in honeybees.
21. Briefly describe different bee keeping equipments and handling equipments used in apiculture.

**Part C**

**III. Answer any Two questions. Each question carries 10 marks**

**(2x10=20)**

22. Explain the steps involved in setting up of an aquarium.
23. Explain any five diseases, symptoms and control measures of silkworm.
24. Write an account on applications and steps involved in vermicomposting.
25. What are the different duties done by queen, worker and drone honeybees?

