



**QP CODE: 22102747**

**Reg No** : .....

**Name** : .....

**B.Sc DEGREE (CBCS) REGULAR EXAMINATIONS, AUGUST 2022**

**Fourth Semester**

**Complementary Course - ZY4CMT04 - ZOOLOGY- APPLIED ZOOLOGY**

(Common for B.Sc Botany Model I, B.Sc Botany Model II Environmental Monitoring And Management, B.Sc Botany Model II Food Microbiology, B.Sc Botany Model II Horticulture and Nursery Management, B.Sc Botany and Biotechnology Model III Double Main, B.Sc Family & Community Science Model I, B.Sc Food Science & Quality Control Model III, B.Sc Biological Techniques and Specimen Preparation Model III, B.Sc Botany Model II Plant Biotechnology, B.Sc Food Technology & Quality Assurance)

2020 Admission Only

2D23C87D

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

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

1. Write a short note on hatchery pits.
2. What is mariculture?
3. What is the basic principle of composite fish culture?
4. Name an algal feeding fish.
5. Name two aquarium plants.
6. What is meant by the term curing?
7. Name any two species of silkworms used in sericulture.
8. What is meant by self mounting in sericulture?
9. Cite one example each for anecic & endogeics.
10. Name any two stages in the life cycle of earthworms.
11. Scientific name of European bee.
12. What is bee veil?





(10×1=10)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write an account on integrated fish farming.
14. Explain induced breeding in prawns.
15. Explain fungal infections in fishes.
16. Cite the differences between male & female moth of silkworm.
17. Give an account on Viral disease in silkworms.
18. State the significance of vermiculture.
19. Explain the advantages of vermicompost.
20. Write on caste distinction in honeybees.
21. Comment on various Bee diseases.

(6×5=30)

**Part C**

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Write an essay on the traditional methods of aquaculture. Add a note on different biotic and abiotic factors of water.
23. Give a detailed account on the freshwater food fishes of Kerala.
24. Describe the environmental conditions in silkworm rearing in detail and comment on the techniques of rearing.
25. Write an essay on the management and maintenance of an apiary.

(2×10=20)

