



25019421

QP CODE: 25019421

Reg No :

Name :

**B.Sc DEGREE (CBCS)) REGULAR/ IMPROVEMENT/ REAPPEARANCE / MERCY
CHANCE EXAMINATIONS, FEBRUARY 2025**

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)

2017 Admission Onwards

4D19EC64

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. Define Aquaculture.
2. Mention the types of hatchery pits.
3. Mention the types of aquaculture.
4. Define integrated fish culture.
5. What is meant by hypophysation technique?
6. How to control fungal infections in fishes?
7. Give the scientific name of castor silkworms.
8. What is meant by stifling of cocoons?
9. What is vermiculture?
10. Define clitellum.
11. Name two species of honey bees which build parallel combs.
12. What is the chemical composition of bees wax?





(10×1=10)

Part B

*Answer any **six** questions.*

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

13. Explain Composite Fish culture.
14. Write short notes on Aquarium fishes.
15. What is Pearl? What are the steps involved in Pearl Culture?
16. Describe the physical factors needed for the rearing of late stage silkworm larva.
17. Which are the different methods of mounting in sericulture?
18. State the earthworm classification.
19. Write on the nitrogen transformations in soil by earthworms.
20. Describe the morphology of worker bee.
21. Comment on movable frame hive.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Mention in detail the common cultivable fishes of Kerala.
23. Elaborate on fish processing and preservation technology.
24. Write an essay on the life history of silkworm and add a note on morphological features of adult silkworm.
25. Explain apiary management and maintenance.

(2×10=20)

