

QP CODE: 19101402



Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATION, MAY 2019

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

60F8EFA9

Maximum Marks: 60

Time: 3 Hours

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. Name any 4 trace elements affecting the productivity in aquaculture.
2. Mention the types of aquaculture.
3. Define algal bloom.
4. Give the scientific names of two common aquarium fishes.
5. Give the scientific names of any two cultivable fishes in Kerala.
6. What is rack culture?
7. Define bivoltine in sericulture.
8. Comment on chawki rearing.
9. What is vermicomposting?
10. What is vermicompost?
11. Give the scientific name of Rock Bee.
12. What is a queen cage?

(10×1=10)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Mention the advantages of composite fish culture.





14. Explain integrated fish culture.
15. What is Pearl? What are the steps involved in Pearl Culture?
16. Explain the lifecycle of silkworm.
17. Mention the precautions to be taken during mounting.
18. State the earthworm classification.
19. Explain the lifecycle and reproduction of earthworm.
20. What is dearth period?
21. Give an account on the enemies of honey bees.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Discuss in detail the techniques involved in the induced breeding of carp and prawn.
23. Write an essay on fish diseases and their control measures.
24. Give an account of the diseases and pests in Silkworm. Add a note on the various control measures.
25. Give an account of the Organization in Honey bee colony.

(2×10=20)

