



21100090

QP CODE: 21100090

Reg No :

Name :

UNDERGRADUATE (CBCS) EXAMINATION, FEBRUARY 2021

Fifth Semester

(Offered by the Board of Studies in Zoology)

**Open Course - ZY5OPT01 - VOCATIONAL ZOOLOGY (APICULTURE,
VERMICULTURE, ORNAMENTAL FISH CULTURE)**

2017 Admission Onwards

F5285468

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Explain Oceanarium
2. What do you know about 'Miss Kerala'?
3. What do you know about Guppy fish?
4. Explain the composition of artificial feed.
5. Explain the use of Fish tranquilizers.
6. Differentiate male and female quails.
7. What are the uses of quail egg and meat?
8. Discuss the term hermaphrodite with example.
9. Write down the scientific name of any two earthworms used in India for Vermiculture.
10. Write notes on Apis Florea.
11. What is bee pasturage?
12. Explain Nosema Disease in apiary.

(10×2=20)





Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Filtration is an important process in an aquarium. Why ?
14. Explain different categories of plants used in aquarium.
15. What is the present status of ornamental fish culture in Kerala?
16. Discuss in detail breeding practices of goldfish.
17. Discuss the feed management and preparation of feed for quails.
18. Discuss the role of vermiculture in solid waste management.
19. Explain the major adaptive features of queen.
20. Explain the process involved in the division and creation of new apiculture colony.
21. Describe the uses of honey and bee wax.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain the common diseases of aquarium fishes and its control measures.
23. How can you farm *Coturnix coturnix* ? Discuss.
24. Discuss the basic steps adopted in the setting up of a vermicomposting unit and marketing the compost.
25. Write an essay on bee keeping methods and equipments.

(2×15=30)

