



QP CODE: 19102489



19102489

Reg No :

Name :

UNDERGRADUATE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

(Offered by the Board of Studies in Zoology)

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

2017 Admission Onwards

13476D89

Maximum Marks: 80

Time: 3 Hours

Part A

*Answer any **ten** questions.*

Each question carries 2 marks.

1. What do you mean by chemical mode of filtration?
2. What do you mean by self sustainable aquarium ?
3. What is the present condition of ornamental fish export from India
4. What is mean by Live bearers?
5. Improper feeding can lead to diseases in aquarium fishes. Discuss
6. Write down the breeding procedure in quail.
7. Write the composition of quail egg.
8. What is cocoon of earthworm?
9. What are Indian blues? Write the important features of Indian blues?
10. What is smoker?
11. What do you mean by feeding honeybee during dearth period?
12. Mention the uses of bee wax.

(10×2=20)

Part B

*Answer any **six** questions.*

Each question carries 5 marks.

13. Classify aquarium based on material, size and shape.





14. Write notes on major indigenous aquarium fishes of Kerala.
15. Give an account on various methods and techniques involved in formulation of fish feed.
16. Explain the various steps involved in establishment of commercial ornamental fish culture unit.
17. Explain the housing patterns in quail farming.
18. Explain the role of earthworms in solid waste management.
19. How can you distinguish different species of honeybees?
20. Describe the major enemies of honeybees.
21. Give an account on honeybee diseases.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain different steps involved in the breeding of gold fish and fighter.
23. Explain different practices involved in quail farming.
24. Write an essay on vermicomposting.
25. Give an account on organization of honeybee colony.

(2×15=30)

