



QP CODE: 19101155



19101155

Reg No :

Name :

B.Sc.DEGREE (CBCS) EXAMINATION, DECEMBER 2018

First Semester

B.Sc Zoology Model II Aquaculture

Vocational Course - ZA1VOT02 - HATCHERY AND CULTURE TECHNIQUES

2017 Admission (Reappearance)

D1608C91

Maximum Marks: 60

Time: 3 Hours

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. Explain spat settlement and nursery rearing in edible oyster hatchery?
2. Comment on parental care in Tilapia?
3. How is lablab prepared?
4. What is hardening of eggs in trout culture?
5. What is Pokkali culture?
6. Comment on crab fattening?
7. How is pearl oyster spat collected?
8. What is spatfall? How is it predicted?
9. Comment on breeding behaviour in Fighter fish?
10. Name the pigments seen in Green, Brown and Red seaweeds?
11. What are Holothurians? Explain their habit and habitat?
12. What are microalgae? Explain their importance in aquaculture?

(10×1=10)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Explain the different steps in the hatchery production of Penaid prawn seed?
14. Explain Nursery rearing, preparation and management of rearing and stocking ponds in Carp culture?
15. What is Monosex culture? What are its advantages? Explain different methods for the monosex





production of Tilapia?

16. Which are the important penaeid prawns in aquaculture? Explain culture of penaeid prawns and add a note on its seed resources?
17. Give an account on mud crab grow out systems in aquaculture?
18. Explain seed collection, site selection and On Bottom culture of clams?
19. What are the different types of Aquaria based on the material used for its construction? Add a note on the shape and size of Aquarium tanks?
20. What is the importance of Artemia in in fish larval nutrition? Explain Artemia culture?
21. Explain the culture of cladocerans and their importance as live feeds in aquaculture?

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Describe Bundh breeding, Hypophysation and Broodstock management in Culture of Indian Major Carps?
23. Explain the culture of air breathing fishes and Milk fishes? Comment on lablab and its preparation in milkfish ponds?
24. Explain in detail, the various Off Bottom culture methods for bivalves?
25. What are the different types of filtration of aquarium water? Comment on the different types of external and internal filters? Add a note on aquarium accessories?

(2×10=20)

