

QP CODE: 19103154



Reg No : .....

Name : .....

**B.Sc.DEGREE (CBCS) EXAMINATION, NOVEMBER 2019**

**First Semester**

B.Sc Zoology Model II Aquaculture

**Vocational Course - ZA1VOT02 - HATCHERY AND CULTURE TECHNIQUES**

2017 Admission Onwards

BD2ED09F

Time: 3 Hours

Maximum Marks :60

**Part A**

*Answer any **ten** questions.*

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

1. Comment on the different eyestalk ablation methods.
2. Comment on parental care in Tilapia.
3. Name the techniques for producing male seed of Tilapia.
4. What is eyed stage in trout development?
5. Write common names and scientific names of any two species of cultivable penaeid prawns.
6. Comment on traditional prawn culture practices.
7. Explain seeding of a mussel rope.
8. Explain Off Bottom culture of edible oysters.
9. What are the different types of aquaria based on construction materials?
10. What is mechanical filtration of aquarium water?
11. Comment on culture of sea cucumbers.
12. Comment on hatching of Artemia cyst.

(10×1=10)

**Part B**

*Answer any **six** questions.*

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

13. What are the different types of Bundhs? Explain Bundh breeding of Indian major carps.
14. Explain the different steps involved in the culture of Indian major carps.
15. Describe the culture system for milk fishes.





16. Give an account on mud crab grow out systems in aquaculture.
17. Explain crab fattening in detail and give examples for different cultivable species of crabs.
18. Explain seed collection, site selection and On Bottom culture of clams.
19. Explain the breeding of an egg scatterer with reference to Goldfish.
20. What are seaweeds? Explain sea weed resources of India and their culture methods.
21. Explain Rotifer culture and its importance as a live feed.

(6×5=30)

### **Part C**

*Answer any **two** questions.*

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

22. Describe seed collection methods, larval stages and various steps in the hatchery operation of Edible oysters.
23. Explain the culture of air breathing fishes and Milk fishes. Comment on lablab and its preparation in milkfish ponds.
24. Explain the clam resources, seed collection, site selection and on bottom culture of clams in detail.
25. What is the importance of live feeds in aquaculture? Explain the culture of microalgae as live feed for culture fishes.

(2×10=20)

