



QP CODE: 21102554



21102554

Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

First Semester

B.Sc Zoology Model II Aquaculture

Vocational Course - ZA1VOT02 - HATCHERY AND CULTURE TECHNIQUES

2017 Admission Onwards

60C05AD1

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. What is Nauplius? Briefly describe a nauplius.
2. How is manual sexing of Tilapia done?
3. Explain seed collection of Milkfishes.
4. What are the peculiarities of incubators used in trout culture?
5. What is extensive prawn culture?
6. What is a prawn filtration pond?
7. Explain advantages of Off Bottom culture as compared to On Bottom culture.
8. Explain site selection for clam culture.
9. Write any four uses of seaweeds.
10. What is Beche-de-mer?
11. What is the habit and habitat of Artemia?
12. What are Rotifers? Comment on their importance in aquaculture.

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. Explain Broodstock selection, management and Thermal stimulation in edible oyster hatcheries?
14. Explain the different steps involved in the culture of Indian major carps.





15. Explain culture practice of Tilapia.
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. What is spatfall? How is spatfall predicted? Explain the different spat collection methods for bivalves.
19. Explain different methods for the filtration of Aquarium water.
20. Explain spawning and egg collection methods in the breeding of Goldfishes and Fighter fish.
21. What is the importance of Microalgae in Fish Nutrition? Explain the different phases in microalgal culture?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Describe different techniques for Broodstock spawning, egg incubation and larval rearing in hatcheries 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 the clam resources, seed collection, site selection and on bottom culture of clams in detail.
25. What are the different types of aquaria? Explain in detail the setting up and maintenance of freshwater aquaria.

(2×10=20)

