



QP CODE: 18103755



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**

2018 Admission only

514E9901

**Maximum Marks: 60**

**Time: 3 Hours**

**Part A**

Answer any **ten** questions.

Each question carries **1** mark.

1. What are shooting nets? Briefly explain?
2. Which are the steroid hormones used for sex reversal in Tilapia?
3. What is lablab?
4. Give scientific names of two coldwater species of fishes used in aquaculture.
5. What is meant by intensive prawn culture?
6. Give the scientific name of the most important crab in aquaculture.
7. Explain seeding of a mussel rope.
8. Explain site selection for clam culture.
9. What is an undergravel filter?
10. Name the three groups of economically important seaweeds with one example from each.
11. What is stock culture of microalgae?
12. Comment on culture of Daphnia.

(10×1=10)

**Part B**

Answer any **six** questions.

Each question carries **5** marks.

13. Explain the reproductive biology and larval stages of Indian backwater oyster.
14. What are air breathing fishes? Describe the culture practices of air breathing fishes with special reference to murrels.





15. Explain culture practice of Tilapia.
16. What is prawn filtration? Explain in detail the different types of prawn filtration practices in India?
17. Explain crab fattening in detail and give examples for different cultivable species of crabs.
18. Explain Rack culture, Stake culture and on shore tank culture of bivalves.
19. What are Aquarium accessories? Explain with examples?
20. Explain spawning and egg collection methods in the breeding of Goldfishes and Fighter fish.
21. What are Holothurians? Explain their diversity and culture.

(6×5=30)

### **Part C**

Answer any **two** questions.

Each question carries **10** marks.

22. Describe the Larval stages and different steps in the hatchery operation penaeid prawns.
23. Describe the culture practices of Indian Major Carps.
24. Explain the clam resources, seed collection, site selection and on bottom culture of clams in detail.
25. Explain the culture of different Zooplankton as live feed in Aquaculture.

(2×10=20)

