QP CODE: 18103754

18103754

Reg No : .....

Name : .....

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

First Semester

B.Sc Zoology Model II Aquaculture

Vocational Course - ZA1VOT01 - PRINCIPLES AND METHODS IN AQUACULTURE

2018 Admission only

AC0A168D

Maximum Marks: 80 **Time: 3 Hours**

Part A

Answer any **ten** questions.

Each question carries **2** marks.

1. List out the qualities for the selection of candidate species in Aquaculture.
2. Explain the Mechanical treatment of sewage.
3. How is Turbidity measured? How is Turbidity remedied in aquaculture ponds?
4. What is a Monk sluice? What is its function?
5. Name two aquatic insect pests in aquaculture ponds.
6. Explain the importance of Nursery ponds.
7. Comment on the importance of stocking ponds.
8. What are the materials used for liming? What are the uses of liming in culture ponds?
9. What are the different fins in fishes? What are their functions?
10. Distinguish between Green Mussel and brown mussel.Give scientific names of both.
11. Why is brackishwaters considered as Nursery grounds for various marine species?
12. Name any four important reservoirs of India and mention their major fishery.

(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Explain Pokkali culture and culture in Bheries.
14. Distinguish between Monoculture, Monosex culture and Polyculture.
15. Explain Soil quality parameters in pond fish culture.

16. Explain Acclimatisation of fishes and its importance.

17. What is a Hapa? What are the different types of Hapa?

18. Explain Stocking density and the various factors affecting stocking density.

19. What is Harvesting? Explain different harvesting methods in pond fish culture.

20. What are Larvivorous and Weed Fishes? Explain their ecological significance citing suitable examples.

21. How does construction of reservoirs affect the fishery? Explain the constraints in reservoir fisheries.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain the concept of recycling of organic wastes with respect to the integration of aquaculture with animal husbandry practices. Mention the major advantages.

23. Explain the site selection parameters for pond fish culture. Explain the different soil quality parameters affecting pond fish culture.

24. Explain the strucure of a bund. Describe the construction of bunds or embankments in pond culture.

25. Describe the morphology of crabs and lobsters. Explain the classification of candidate species involved in aquaculture.

(2×15=30)