2025

1st Semester Examination

M.F.Sc. in Aquaculture

Paper : AQC 502-T

(Coastal Aquaculture and Mariculture Farming Systems)

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Full Marks : 70 Time : Two Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Group - A

Answer any *five* questions : 2×5=10

1. What is mariculture? Give example.
2. Mention the recommended salinity and stocking density for shrimp farming.
3. Name one green seaweed and one brown seaweed commonly found in Indian waters.
4. Define biofouling. Give one example of a fouling organism. 1+1
5. Why is prophylaxis considered better than therapeutic treatment in aquaculture?

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6. Write short notes on raft and rack culture. 1+1

7. What is carrageenan? Mention its important uses. 1+1

8. Mention the scientific names of Milkfish and Cobia.

Group - B

Answer any *six* questions : 5×6=30

9. Discuss the effects of climate change on coastal aquaculture in India.

10. Briefly explain the intensive culture method of *Litopenaeus vannamei*.

11. Briefly discuss the importance of biosecurity in shrimp aquaculture system.

12. What is mud crab fattening? Discuss the prospects of box crab farming in India. 2+3

13. Explain the Pokkali fish culture practices followed in the backwaters of Kerala.

14. Briefly discuss the distribution, habitat, and biology of Pearl Spot.

15. State the significance of water quality management in super-intensive aquaculture systems.

16. Describe the present status of pearl oyster farming in West Bengal.

17. What are the major problems encountered in coastal cage culture and pen culture practices? 2½+2½

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18. Discuss the major bottlenecks in the development of mariculture in India.

Group - C

Answer any ***one*** question : 10×1=10

19. What is seaweed? Discuss the rope line farming method of seaweed. Mention the major environmental barriers in seaweed farming of Indian coastal waters. 2+5+3

20. Briefly discuss the nursery rearing of seabass. What is RAS and its importance? 5+5

[Internal Assessment : 20 marks]

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