MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

2025

1st Semester Examination

M.F.Sc. in Aquaculture

Paper : AQC 511-T

(Commercial Ornamental Fish Breeding and Culture)

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. Define ornamental fish farming.
2. What is aquarium filtration?
3. Mention two high-value ornamental fishes.
4. What is biofiltration in aquarium systems?
5. State the importance of aquarium lighting.
6. What is raceway culture?
7. Define colour enhancement feed.
8. Mention two common diseases of ornamental fishes.

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Group - B

Answer any *six* questions : 5×6=30

9. Discuss the present status of ornamental fish trade in India.

10. Describe the scope and prospects of ornamental fish farming in India.

11. Explain the principles of self-maintained aquarium construction.

12. Write briefly about aquarium aerators and chillers used in ornamental fish culture.

13. Write down two common parasitic diseases and their management.

14. Explain the role of feed and feeding management in ornamental fish production.

15. Discuss the importance of water quality management in ornamental fish culture.

16. Describe the transportation techniques used for ornamental fishes.

17. Explain the role of aquarium plants in ornamental fish keeping.

18. Discuss entrepreneurship opportunities in backyard ornamental fish farming.

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Group - C

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

19. Describe the factors affecting breeding success in ornamental fish. Discuss about the breeding techniques of a egg-layers and a livebearers ornamental fish. 5+5

20. Discuss the design, maintenance and management of modern aquarium systems, including filtration, lighting, aeration and water conditioning devices.

[Internal Assessment : 20 marks]
