

(041230402)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017

THIRD SEMESTER

Branch — Zoology

Paper IV — FISHERY BIOLOGY AND AQUACULTURE

(New Syllabus)

Time : 3 Hours

Max. Marks : 70

PART - A

Answer any FIVE of the following.

(Marks : 5 × 4 marks = 20 marks)

1. Cultivable cat fishes
2. Biology of Penaeus monodon
3. Nursery ponds
4. Polyculture
5. Cage culture
6. Polyploidy and transgenesics
7. Edible oysters
8. Ranching programmes.

PART - B

Answer FOUR of the following. Answer ONE question from each Unit.

(Marks : 4 × 12.5 marks = 50 marks)

UNIT - I

9. Give an account of the biology of Indian major carps and their importance in fresh water aquaculture.

Or

10. Describe the zonation, characteristics and morphometry of lakes.

UNIT - II

11. Describe in detail the preparation and management of shrimp culture ponds.

Or

12. Explain the techniques involved in breeding and larval rearing of Macrobrachium Rosenbergii.

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UNIT - III

13. Give an account of integrated fish farming and its role in improving the production of fish ponds.

Or

14. Describe the significance of raceways, cages, pens and wastewater recycling through aquaculture.

UNIT - IV

15. Explain the potentiality and exploitation of marine fishery resources in EEZ.

Or

16. How do you assess the spoilage of fish? Describe various methods followed for fish preservation.
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