

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2024)

Marine & Coastal Ecology and Aquaculture & Fisheries Technology (Core (New-23))

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.
3. Draw neat and labeled diagram wherever needed.

Que-1 Answer any seven out of ten. (14)

- 1.1. Write the classification of prawn with reason.
- 1.2. What are the differences between capture and culture fisheries?
- 1.3. Describe the concept of metamorphosis.
- 1.4. Draw scoliodon brain.
- 1.5. Write names and locations of some Eco-tourism sites.
- 1.6. Write water quality standards for cultivating lobster.
- 1.7. Draw the external features of the shark.
- 1.8. Which pearl oyster species are found in Gujarat?
- 1.9. Write the advantages of aquaculture.
- 1.10. Write applications of induced breeding.

Que-2 Answer any two out of three. (14)

- 2.1. Describe the distribution of life on rocky shores, sandy shores and muddy shores.
- 2.2. Explain benthos with suitable examples.
- 2.3. Write about: Marine protected areas of Gujarat and Eco-tourism.

Que-3 Answer any two out of three. (14)

- 3.1. Describe freshwater capture and culture fisheries.
- 3.2. Write a short note on Bombay duck fishery.
- 3.3. Write about lobster fisheries.

Que-4 Answer any two out of three. (14)

- 4.1. Classification of crustacea and mollusca with examples.
- 4.2. Write a short note on: Scoliodon circulatory system.
- 4.3. Write a short note on: Ornamental fishes and their maintenance.

Que-5 Answer any two out of three. (14)

- 4.1. Explain the need of preservation, methods of preservation and their advantages.
- 4.2. Describe the processing of fish, which you had observed at Veraval.
- 4.3. Write about the physical parameters of water quality and their effect on fisheries.
