

M.Sc. (Zoology) Semester - 3 (CBCS) Examination**Oct/Nov-2022 (NEW COURSE)****Aquaculture & Fisheries Technology (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

SECTION-1**Que. 1 Answer the Following. (Two short Questions)**

- (A) Write about aquaculture and its importance in Gujarat. (7)
(B) Explain classification of crustacea and molluscan with examples. (7)

OR**Que. 1 Answer the Following. (One long Question)****(14)**

Explain different types of fishing boats and draw their structure.

Que. 2 Answer the Following. (Two short Questions)

- (A) Describe pearl oyster fisheries. (7)
(B) Make a note on Indian major carps. (7)

OR**Que. 2 Answer the Following. (One long Question)****(14)**

Describe lobster, crab and molluscan fisheries.

Que. 3 Answer any seven out of eight.**(07)**

- (1) Draw classification chart of fishes.
- (2) Write names of a few ornamental fishes.
- (3) What is biodiversity act?
- (4) Write a few maintenance tips for marine aquarium.
- (5) Draw and explain how a trawl net works.
- (6) What is ghost net?
- (7) Write any two do's and don'ts for prawn fishery.
- (8) Explain lift netter.

SECTION-2**Que. 4 Answer the Following. (Two short Questions)**

- (A) Explain Fish diseases and control. (7)
(B) Comment on application of hormones in aquaculture. (7)

OR**Que. 4 Answer the Following. (One long Question)****(14)**

Explain factors controlling induced breeding, fish seed collection, transport and stocking.

Que. 5 Answer the Following. (Two short Questions)

- (A) Describe physical parameters of water quality and their effect on fisheries. (7)
(B) Write about global and local environmental water pollution and their effect on fisheries. (7)

OR**(14)****Que. 5 Answer the Following. (One long Question)**

Explain fish byproducts and their uses in detail.

Que. 6 Answer any seven out of eight.**(07)**

- (1) Name a few diseases of fish.
- (2) Why fish breeding is important?
- (3) Describe hypophysation technique.
- (4) Explain microbial hazards in seafood.
- (5) What is function of gonadotropin releasing hormone?
- (6) Name a few methods of preservation.
- (7) Explain culture fisheries and capture fisheries.
- (8) Describe a few causes of fish diseases.
