

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
Nov/Dec-2023 (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) Describe with diagram: boats and gears used for fisheries. (07)
- (B) Explain fresh water and marine aquarium. (07)

OR

- Que. 1 Answer the question (One long Question)** (14)
- Write in detail: Classification of crustacea and mollusca.
- Que. 2 Answer the Following. (Two short Questions)**
- (A) Write about: capture and culture fisheries. (07)
- (B) Describe pearl oyster fisheries. (07)

OR

- Que. 2 Answer the question (One long Question)** (14)
- Explain lobster fishery with suitable details.
- Que. 3 Answer any seven out of eight.** (07)
- (1) What do you mean by ornamental fish?
- (2) Which lobster species are more in demand?
- (3) Explain about shellfish.
- (4) Which molluscs are used as food?
- (5) Draw a few differences in between bony fish and cartilaginous fishes.
- (6) What damage fishing nets can cause, that have been lost, abandoned, or discarded in oceans, lakes, and rivers?
- (7) Write about a few cages/nets for capture of crabs.
- (8) Write about homodont dentition and teeth of shark.

SECTION-2

- Que. 4 Answer the question (One long Question)**
- Make a detailed note on: Induced breeding. (14)

OR

- Que. 4 Answer the Following. (Two short Questions)**
- (A) Write short note on: application of hormones in aquaculture. (07)
- (B) Describe fish diseases and control. (07)
- Que. 5 Answer the question (One long Question)**
- What you had learn at fish processing units? Write about fish processing methods used in industries. (14)

OR

- Que. 5 Answer the Following. (Two short Questions)**
- (A) Write about need of preservation, methods of preservation and their advantages. (07)
- (B) Explain uses of fish. (07)
- Que. 6 Answer any seven out of eight.** (07)
- (1) How safety is maintained in a fish industry?
- (2) Why induced breeding is important?
- (3) Write a few names of some common aquarium fishes.
- (4) Draw differences in between pelvic and pectoral fins.
- (5) How fish disease can be controlled?
- (6) Write about effect of pollution on fisheries.
- (7) Provide examples of major carp.
- (8) Write a few examples of microbial hazards in seafood.
