

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
OCT/NOV-2025 (AS PER SYLLABUS YEAR JUNE-2019)
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- I

- Que.1 Answer the Following.
- (A) Write in detail about Gujarat Fisheries Act, Coastal Aquaculture Authority Act. (07)
- (B) Explain status of aquaculture in Gujarat. (07)
- OR
- Que.1 Explain Ornamental fishes and its maintenance and marine aquarium with diagram. (14)
- Que.2 Answer the Following.
- (A) Explain Crab, Molluscan and Pearl Oyster fisheries. (07)
- (B) Describe Pomfret fishery. (07)
- OR
- Que.2 Describe Indian major carps and exotic carps. (14)
- Que.3 Answer any seven out of eight. (07)
- 1) What is economic importance of Mollusca?
 - 2) Explain Biodiversity Act.
 - 3) Which marine symbiosis you have observed?
 - 4) Draw a hapa.
 - 5) What is estuarine fishery?
 - 6) What is exotic carp? Example.
 - 7) List out Crab species.
 - 8) Write scientific names of Ornamental fishes.

SECTION- II

- Que.1 Describe Activity of Gonadotropin releasing hormone, application of hormones in aquaculture. (14)
- OR
- Que.1 Answer the Following.
- (A) Describe fungal, bacterial, protozoan diseases of fish, symptoms and control methods. (07)
- (B) Describe Microbial hazards in seafood. (07)
- Que.2 Describe Vaccines and immunostimulants, Drug resistance Aquafeed, Nutrition, Feed formulation. (14)
- OR
- Que.2 Answer the Following.
- (A) Explain. Feed additives, Alternative feed ingredients. (07)
- (B) Explain Fish Processing methods used in industries, advantages and applications. (07)
- Que.3 Answer any seven out of eight. (07)
- 1) How to check freshness of fish?
 - 2) Write about biopesticides in aquaculture.
 - 3) Describe fish seed collection.
 - 4) Draw any two nets.
 - 5) Write some advantages of preservation.
 - 6) What is spawning of fishes?
 - 7) What is Gonadotropin?
 - 8) How to maintain aquarium?
