

M.Sc. (Zoo) Semester - 4 (CBCS) Examination**March/April- 2019****Aquaculture & Fisheries Technology****(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

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

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- Que-1 Answer the following. (Any seven out of ten question) (14)
- (1) What is the importance of aquaculture technology?
 - (2) Which are the threats to Indian aquaculture?
 - (3) Draw and label different parts of a boat.
 - (4) What is ghost net? Mention any two related issues and their solutions.
 - (5) How to solve over fishing problem?
 - (6) Describe deep sea fishery in short.
 - (7) What is mallacology?
 - (8) Describe labyrinthiform organ.
 - (9) Explain reproductive strategies of fish with an example.
 - (10) For the students of zoology, which are the opportunities with aquaculture?
- Que-2 Answer the following. (Any two out of three) (14)
- (1) Describe scope and status of aquaculture in India and Gujarat.
 - (2) Make a detailed note on: traditional and modern boats used in Gujarat.
 - (3) Explain structure and applications of gill net and hoop net.
- Que-3 Answer the following. (14)
- (1) Describe need of preservation and common criteria for freshness.
 - (2) Based on your visit to fish industry, explain methods used in industries, their advantages and applications.
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- Que-3 Answer the following.
- (1) Describe industrial fish by-products and their uses.
 - (2) Make detail note on: fisheries management and fishing community
- Que-4 Answer the following. (Any two out of three) (14)
- (1) Make a note on Estuarine brackish water culture fishery.
 - (2) Write short note on pearl culture practices at sikka, Gujarat.
 - (3) Describe Prawn fishery in detail.
- Que-5 Write short note on (any two out of four). (14)
- (1) Accessory respiratory organs in fish.
 - (2) Colour changing in fish.
 - (3) Factors controlling induced breeding.
 - (4) Fish diseases: symptoms and control methods.
