

M.Sc. (Zoology) (CBCS Pattern) Semester-IV
PSCZOOT15.7 - Paper-XV Special Group : Aquaculture-IV (Fish Pathology and Fish Genetics)

P. Pages : 1

Time : Three Hours



GUG/W/24/11445

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw well labelled diagrams wherever necessary.

1. What is fish preservation? Discuss on different methods of fish preservations.

OR

Write notes on:

- a) Biochemical composition of raw fish.
- b) Nutritional value of raw and preserved fishes.

2. Explain fish by-products in detail.

OR

Write notes on:

- a) Poisoning, toxicity and allergies caused by fishes as food.
- b) Fish decomposition, rigor mortis and fish spoilage.

3. Describe bacterial and fungal discuses causes to farm fishes.

OR

Write notes on:

- a) Crustacean discuses of farm fishes.
- b) Nutritional discuses of fishes.

4. Write an essay on fish genetic resources and their applications in fisheries management.

OR

Write notes on:

- a) Cryopreservation of fish gametes
- b) Hybridization and transgenic fishes.

5. Attempt the followings.

- a) Fish proteins
- b) Effect of water pollution on fishes
- c) Costiasis
- d) Gene bank
