

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

P. Pages : 1

Time : Three Hours



GUG/S/25/11445

Max. Marks : 80

-
- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with suitable diagrams.

1. Give a brief account on Nutritional value of raw and preserved fish. **16**

OR

- a) Methods of fish preservation.
- b) Biochemical composition of raw fish.

2. Give a brief account on Fish decomposition, rigor mortis and fish spoilage. **16**

OR

- a) Effect of water pollution on fishes.
- b) Toxicity and allergies from fish as food.

3. Write a note on diseases caused by aquatic pollutants. **16**

OR

- a) Crustacean diseases of farm fish.
- b) Nutritional diseases of fish..

4. Write a note on Gene banking and application of genetic engineering in aquaculture. **16**

OR

- a) Cryopreservation of gametes.
- b) Fish genetic resources and its application in fisheries management.

5. Attempt the following. **16**

- a) Principles of fish preservation.
- b) Fish byproducts.
- c) Any two bacterial diseases.
- d) Transgenic fish.
