

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

P. Pages : 1

Time : Three Hours



GUG/W/18/11445

Max. Marks : 80

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

1. Discuss on fish preservation and its methods. 16

OR

Write notes on:

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

2. Give an account on fish products and by products. 16

OR

Write notes on:

- a) Fish Spoilage
- b) Effects of water pollution on fishes.

3. Explain bacterial and fungal diseases in farm fishes. 16

OR

- a) Nutritional diseases in fishes.
- b) Worm diseases in fishes.

4. Describe fish genetic resources and its applications in fishery management. 16

OR

Write notes on:

- a) Transgenic fishes.
- b) Cryopreservation of gametes.

5. Attempt the followings. 16

- a) Principles of fish preservation.
- b) Rigor mortis.
- c) Aquatic pollutants.
- d) Gene banking.
