

M.Sc. (Zoology) (CBCS Pattern) Third Semester
PSCZOOT11-6 - Special Group-Fresh Water Zoology Paper-II
Fishery Biology Paper-XI

P. Pages : 1

Time : Three Hours



GUG/W/18/11322

Max. Marks : 80

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

1. Give an account of Schemes of classification of fishes. 16

OR

Write note on.

- a) Biology of *Cirrhinus mrigala*
- b) Feeding habits of *Cyprinus carpio*

2. Explain in detail structure and functions of gills. 16

OR

Write note on.

- a) Growth and age studies of fish.
- b) Length- Weight relationship in fishes.

3. Give an account of spawning periodicity and fecundity of fish. 16

OR

Write note on.

- a) Genetic engineering methods for fish stock improvement.
- b) Maturity stages in male & female fish.

4. Give detail account of maintenance and fish keeping in Aquarium. 16

OR

Write notes on.

- a) Larvivorous fishes and their importance.
- b) Conservation measures of threatened freshwater fishes.

5. Attempt the following. 16

- a) Biology of *Hypophthalmichthys molitrix*
- b) Electoreceptor's in fishes
- c) Parasitic diseases in fishes
- d) Breeding of live bearers ornamental fishes
