

M.Sc.(Zoology) (CBCS Pattern) Semester - IV
PSCZOOT14.2 - Special Group : Fish and Fisheries-III (General Studies)

P. Pages : 1

Time : Three Hours



GUG/S/23/11430

Max. Marks : 80

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

1. Explain Osmo-regulation in fresh water and marine water fishes. 16

OR

Write notes on:

- a) Alimentary canal of teleosts fishes.
- b) Kidney of teleosts fishes.

2. Discuss on fish migration and its significance. 16

OR

Write notes on:

- a) Chemoreceptors
- b) Taste buds

3. Describe male and female reproductive system of fishes. 16

OR

Write notes on:

- a) Spermatogenesis
- b) Oogenesis

4. Give an account of Pituitary gland in fishes. 16

OR

Write notes on:

- a) Hypothalamo-hypophysial system in fishes.
- b) Neuro-Hormones and their functions.

5. Attempt the followings. 16

- a) Rays and Skates
- b) Olfactory bulb
- c) Egg development
- d) Thyroid gland
