

M.Sc.(Zoology) (Old + C.B.C.S. Pattern) Sem-IV
MSC15-2 / PSCZOOT14.2 Paper-XV-Special Group - Fish & Fisheries-III
(General Studies) Paper-III

P. Pages : 1

Time : Three Hours



GUG/W/19/11430

Max. Marks : 80

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

1. Explain in details Osmoregulation with reference to freshwater, Marine and Diadromous fisher. **16**

OR

Write notes on:

- a) Types of kidney in Teleosts.
- b) Structure of Alimentary canal in Teleosts.

2. Explain in detail chemoreceptors. **16**

OR

Write notes on.

- a) Migration in fishes.
- b) Orientation and Navigation.

3. Explain in detail Oogenesis. Add a note on hormonal control. **16**

OR

Write notes on.

- a) Spermatogenesis.
- b) Structure of male reproductive system.

4. Give an account on Pituitary with reference to structure, hormones and sanctions in fishes. **16**

OR

Write notes on:

- a) Hormones of endocrine glands.
- b) Structure of Hypothalamo-Hypophyseal.

5. Attempt the following. **16**

- a) Modification of alimentary canal.
- b) Taste buds.
- c) Structure of female reproductive system.
- d) Neurohormones.
