

M.Sc. Second Year (Zoology) CBCS Pattern Semester-III
PSCZOOT10-7 - Paper-X Special Group - Aquaculture Paper-I :
Fresh Water Aquaculture

P. Pages : 1

Time : Three Hours



GUG/W/23/11313

Max. Marks : 80

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

1. Write an account on Physico -chemical conditions of pond water. **16**

OR

- a) Explain the present status of aquaculture in India.
- b) Discuss the seasonal distribution of zooplankton.

2. Elucidate the methods of productivity measurement. **16**

OR

- a) Describe possible food web in pond.
- b) Write a note on Pond soil.

3. Write an account on major river system in India in terms of fisheries. **16**

OR

- a) Write note on biology of *Cyprinus carpio*.
- b) Reproductive system of *Catla catla*.

4. Write an account on induced breeding by hypophysation. **16**

OR

- a) Write notes on riverine collection of fish seed.
- b) Discuss the hatching techniques.

5. Attempt the following.

- a) Aquatic vegetation.
- b) Planning of fish farm.
- c) Breeding behaviour of IMC.
- d) Wet bundh and breeding.
