

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.

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