

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

P. Pages : 1

Time : Three Hours



GUG/W/24/11313

Max. Marks : 80

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

1. Explain physico-chemical conditions of a pond water. 16

OR

Write notes on:

- a) Present status of Aquaculture in India.
- b) Association of macro-vegetation.

2. Describe planning and construction of a freshwater fish farm. 16

OR

Write notes on:

- a) Methods of primary productivity measurement.
- b) Chemical conditions of a pond soil.

3. Give an account of fisheries of major river system in India. 16

OR

Write notes on:

- a) Biology of culturable indigenous carps.
- b) Biology of culturable exotic carps.

4. Write an essay on types of hatcheries. 16

OR

Write notes on:

- a) Induced breeding by hypophysation.
- b) Fish breeding in wet and dry bundhs.

5. Attempt the followings: 16

- i) Seasonal distribution of plankton.
- ii) Food chain and food webs in a pond.
- iii) Breeding behaviour of Indian major carps.
- iv) Riverine collection of fish seed.
