

M.Sc. (Zoology)(with Credits)-Regular-Semester 2012 Sem III  
**MSc2320 / MSC11-3 - Special Group : Aquaculture-I**  
**(Fresh Water Aquaculture) Paper-XI**

P. Pages : 1

Time : Three Hours



**GUG/S/18/3518**

Max. Marks : 80

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Illustrate your answers with well labelled diagram wherever necessary.

1. Define Aquaculture. Discuss importance of Aquaculture in India. **16**

**OR**

Write notes on:

- a) Role of Plankton in fish culture.
- b) Chemical conditions of pond water.

2. Describe various methods of productivity measurement of pond. **16**

**OR**

Write notes on:

- a) Trophic level.
- b) Food web in pond.

3. Describe biology of Labeo rohita. **16**

**OR**

Write notes on:

- a) Fisheries of West-Coast river system.
- b) Exotic Carp.

4. Describe Induced breeding by hypophysation in fishes. **16**

**OR**

Write notes on:

- a) Dry Bundh.
- b) Glass jar hatchery.

5. Attempt the following. **16**

- a) Zooplankton.
- b) Selection of site for fish form.
- c) Breeding behaviour of Indian Major carps.
- d) Fish seed.

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