

M.Sc.(Zoology) Third Semester (Old)  
**MSC11-3-ZOO-11 Paper-XI Special Group - Aquaculture-I**  
**Fresh Water Aquaculture**

P. Pages : 1

Time : Three Hours



**GUG/W/18/2320**

Max. Marks : 80

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Illustrate your answer with suitable diagrams.

1. What is Aquaculture? Give an account of present status of Aquaculture in India. Add a note on its importance. **16**

**OR**

Write notes on:

- a) Physicochemical condition of pond water.
- b) Plankton and their role in Aquaculture.

2. Write an essay on construction of Freshwater fish farm. **16**

**OR**

Write notes on:

- a) Chemical condition of pond soil
- b) Pond ecosystem

3. Give an account of reproductive system and breeding behaviour in Indian carps. **16**

**OR**

- a) Biology of culturable exotic carps.
- b) Fisheries of Sindhu and Bramhaputra river.

4. Give detail account on Induced breeding by hypophysation. **16**

**OR**

- a) Riverine collection of fish seeds.
- b) Fish breeding in dry and wet bundles.

5. Attempt the followings. **16**
- i) Aquatic vegetation.
  - ii) Net primary productivity (NPP)
  - iii) Cyprinus carpio
  - iv) Chinese hatchery

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