

M.Sc. (Part-I) (Zoology) (NEP Pattern) Semester-I  
**NEP-84-5 / 01MSCZO04-5 - Major Elective : Basic Limnology**

P. Pages : 1

Time : Three Hours



**GUG/W/23/15150**

Max. Marks : 80

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

1. Describe in detailed about Physical conditions. Water current, water color, turbidity and temperature.

**OR**

- a) Significance of physicochemical properties of water.
- b) BOD and COD.

2. Describe in detailed Lotic habitat: Characteristics of lotic habitat.

**OR**

- a) Major rivers in India.
- b) Thermal stratification.

3. Describe in detailed Diversity and economic importance of freshwater Crustacea and Mollusca.

**OR**

- a) Study of Macrobenthic animals.
- b) General characters of Zooplankton.

4. Describe in detailed Anthropogenic impact on freshwater.

**OR**

- a) Respiratory adaptation in freshwater insect orders.
- b) Locomotory adaptation.

5. Attempt the following.

- a) Nitrate, and phosphate.
- b) Ephemeral water bodies.
- c) Bryozoa and Tardigrada
- d) Diptera and Hemiptera.

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