

M.Sc.- I (Zoology) (NEP Pattern) Semester-I  
**NEP-84-5 - Paper-V - Basic limnology**

P. Pages : 1

Time : Three Hours



**GUG/S/25/15150**

Max. Marks : 80

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

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|-----------|--|-----------|
| <b>1.</b> | Describe in details Chemical Conditions of Water?                | <b>16</b> |
| <b>OR</b> |  |           |
|           | a) Physical Properties of Water.                                 | <b>8</b>  |
|           | b) Significance of Physiochemical properties of water.           | <b>8</b>  |
| <b>2.</b> | Explain in detail Lentic Habitat?                                | <b>16</b> |
| <b>OR</b> |  |           |
|           | a) Thermal Stratification in lake.                               | <b>8</b>  |
|           | b) Major rivers in India.  | <b>8</b>  |
| <b>3.</b> | Describe general characters of Zooplankton in details.           | <b>16</b> |
| <b>OR</b> |  |           |
|           | a) Study of Macrobenthic invertebrates.                          | <b>8</b>  |
|           | b) Diversity and Economic importance of fresh water Crustaceans. | <b>8</b>  |
| <b>4.</b> | Explain respiratory adaptation in fresh water insects.           | <b>16</b> |
| <b>OR</b> |  |           |
|           | a) Anthropogenic impact on fresh water.                          | <b>8</b>  |
|           | b) Locomotory adaptations in Coleoptera and Hemiptera.           | <b>8</b>  |
| <b>5.</b> | Attempt the following (4 marks each).                            | <b>16</b> |
|           | a) Temperature and turbidity.                                    |           |
|           | b) Characteristic of lotic habitat.                              |           |
|           | c) Explain Bryozoa and Tardigrada.                               |           |
|           | d) Industrial outflow.   |           |

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