

M.Sc. - II (Zoology) (NEP Pattern) Semester-III
03MSCZO04.3 - Major Elective Paper-IV : Fresh Water Zoology-I

P. Pages : 1

Time : Three Hours



GUG/S/25/16036

Max. Marks : 40

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

1. Describe Ganga river system in detail. 8

OR

Write notes on:

- a) Universal Energy Flow Model
- b) Succession of Lake

2. Describe role of light in pond ecosystem. 8

OR

Write notes on:

- a) pH of surface of bottom water.
- b) Surface film animals.

3. What is hardness? Describe different types of hardness of water. 8

OR

Write notes on:

- a) Dissolved oxygen
- b) Importance of Chemical Parameters.

4. Describe lights and dark bottle method of measurement of productivity. 8

OR

Write notes on:

- a) Eutrophic lake
- b) Factors affecting primary productivity.

5. Attempt all the followings: 8

- a) Bog lake
- b) Movement of water
- c) Silicates
- d) Secondary productivity
