

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

P. Pages : 1

Time : Two Hours



GUG/W/24/16036

Max. Marks : 40

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

1. Describe Dynamics of Aquatic Ecosystem? 8

OR

a) Lotic Habitat. 4

b) Bog lakes and succession of lakes. 4

2. Explain physical condition of water in details? 8

OR

a) Buoyancy. 4

b) Temperature and light. 4

3. Explain in detail total, Calcium and Magnesium Hardness? 8

OR

a) Importance of chemical parameter. 4

b) Phosphate and Nitrates. 4

4. Write a note on Primary and Secondary Productivity in Aquatic Ecosystem? 8

OR

a) Classification of water bodies based on productivity. 4

b) Methods of Measurement of productivity. 4

5. Attempt the following. 8

a) Lake and their origin.

b) Influence of Physical condition.

c) Effect of Dissolved Oxygen and Carbon dioxide.

d) Factors affecting primary Productivity.
