

M.SC.(Zoology) (CBCS Pattern) Third Semester
PSCZOOT10-6 - Zoology Paper-X : Special Group-Fresh Water Zoology Paper-I
(Limnology)

P. Pages : 1

Time : Three Hours



GUG/W/18/11312

Max. Marks : 80

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

1. Discuss major river systems in India. 16

OR

Write notes on:

- a) Energy flow models.
- b) Lakes and reservoirs.

2. Explain physical conditions of a freshwater body. 16

OR

Write notes on:

- a) Effect of temperature and light on a water body.
- b) Transparency and turbidity

3. Describe chemical conditions of a freshwater pond. 16

OR

Write notes on:

- a) Hardness
- b) Role of ammonia and nitrites in a waterbody

4. Write an essay on primary productivity of a freshwater body. 16

OR

Write notes on:

- a) Classification of water bodies based on their productivity.
- b) Factors affecting the primary productivity

5. Attempt the followings. 16

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|-------------------------|---------------------------------|
| a) Ecological pyramids. | b) pH |
| c) Dissolved oxygen | d) Significance of productivity |
