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M.Sc. (Fourth Semester) Examination May–June 2020 BOTANY Paper IV (Elective)

Limnology II
Time: Three Hours
Maximum Marks 80

Note: Attempt all the five questions. Question No.1 is compulsory. All questions carry equal marks

- Q1. Answer in brief
 - 1. What are algal blooms?
 - 2. Zonation of rooted plants in a lake flora
 - 3. Bio-indicators in relation to water quality
 - 4. Composition of sewage
- Q2. Write an account on aquatic insects and birds and their environmental significance.

OR

Write short notes on the following:

- 1. Phyto-benthos Classification
- 2. Interrelationship of phytoplankton with zooplankton
- Q3. Describe the categories and ecological classification of higher aquatic plants and discuss their significance.

OR

Write short notes on the following

- 1. Lake bacteria
- 2. Impact of human being on algae
- Q4. What is concept of productivity and discuss methods to estimate primary productivity in fresh water.

OR

Write short notes on the following:

- 1. BOD and COD
- 2. Use and misuse of inland water
- Q5. What are the causes of pollution of aquatic resources? Discuss their management and mode of conservation.

OR

Write short notes on the following:

- 1. Industrial effluents
- 2. Agricultural sewage