

**DD-777**  
**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