



ED-627

M.Sc. 3rd Semester
Examination, March-April 2021

BOTANY

Paper - IV

Elective-II

Limnology-I

Time : Three Hours] [*Maximum Marks* : 80
[*Minimum Pass Marks* : 16

Note : Answer **all** questions. All questions carry equal marks.

Unit-I

1. Give an account of historical development and scope of Limnology.

OR

Write short notes on the following :

- (a) Characteristics and classification of lakes
- (b) Global water balance

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(Turn Over)

(2)

Unit-II

2. What do you mean by morphometry ? Describe the various morphometric parameters used in limnological investigations.

OR

Write short notes on the following :

- (a) Food chain and food web in aquatic ecosystem
(b) Eutrophication

Unit-III

3. Describe the role of light on lake water in detail.

OR

Write notes on the following :

- (a) Colour and turbidity of water
(b) Surface water movement

Unit-IV

4. Write notes on the following :

- (a) Hardness of water
(b) pH of water

OR

Write notes on the following :

- (a) Nitrogen cycle
(b) Dissolved gases in water