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**PA—39—2024**

**FACULTY OF SCIENCE**

**B.Sc. (First Year) (First Semester) EXAMINATION**

**MARCH/APRIL, 2024**

**(New Pattern)**

**BOTANY**

**Paper II**

**(Plant Ecology, Phytogeography and Environmental Biology)**

**(Tuesday, 16-4-2024)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*Note :—* (i) Attempt *all* questions.

(ii) Draw neat and well labelled diagrams wherever necessary.

1. What is ecological factors ? Describe light and temperature as an ecological factors. 15

*Or*

Describe in brief :

- (a) General characters of Halophytes. 8
- (b) Anatomical adaptations in hydrophytes. 7

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2 What is ecosystem ? Describe the components and functions in pond ecosystem. 15

*Or*

Write notes on :

- (a) Causes and control measures of water pollution. 8
- (b) Chipko movement. 7
3. Write short notes on any *two* of the following : 10
- (a) Soil pH
- (b) Anatomical adaptations in xerophytes
- (c) Energy pyramid
- (d) Deforestation.