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**NA—39—2023**

**FACULTY OF SCIENCE**

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

**NOVEMBER/DECEMBER, 2023**

**(New Course)**

**BOTANY**

**Paper-II**

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

**(Monday, 11-12-2023)**

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

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :—* (i) Attempt *all* questions.

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

1. What are hydrophytes ? Describe in detail their morphological and anatomical adaptations. 15

*Or*

Describe in brief :

(a) Light is an ecological factor. 8

(b) Soil profile. 7

2. Describe biotic and abiotic factors and their role in the forest ecosystem. 15

*Or*

Write notes on :

(a) Biogeographical regions of India 8

(b) Soil erosion. 7

P.T.O.

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3. Write short notes on any *two* of the following :

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- (a) Divisions of ecology
- (b) Viviparous seed germination
- (c) Frequency
- (d) Soil pollution.

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