

**Bachelor of Science (B.Sc.) Semester-VI (C.B.S.) Examination**

**BOTANY**

**(Plant Ecology, Techniques and Ethnobotany)**

**Paper-2**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) All questions are compulsory and carry equal marks.

(2) Illustrate your answers with well labelled diagrams and examples.

1. Write notes on :

- (a) Principles of phytogeography.
- (b) Phytogeographic regions of India.

$5 \times 2$

**OR**

Write short notes on :

- (c) Endemics
- (d) Climatic regions of India
- (e) Continental Drift theory
- (f) Discontinuous species.

$2.5 \times 4$

2. Write notes on :

- (a) Control measures for environmental pollution.
- (b) Conservation of water resources.

$5 \times 2$

**OR**

Write short notes on :

- (c) Noise pollution
- (d) Renewable natural resources
- (e) Conservation of forest
- (f) Agricultural pollution.

$2.5 \times 4$

3. Write notes on :

- (a) Applications of electron microscopy
- (b) Types of chromatography.

$5 \times 2$

**OR**

Write short notes on :

- (c) Applications of fluorescent microscopy
- (d) Application of centrifugation
- (e) Electrophoresis
- (f) Principle of spectroscopy.  $2.5 \times 4$

4. Write on :

- (a) Branches and importance of ethnobotany
- (b) Ethnic societies of India.  $5 \times 2$

**OR**

Write short notes on :

- (c) Wild plants used as vegetables by tribals. (Any two)
- (d) Ethnomedicinal plants. (Any two)
- (e) Plants used as narcotics by tribals. (Any two)
- (f) Wild fruits used by tribals. (Any two)  $2.5 \times 4$

5. Write in **two** or **three** lines only. Any **ten** (Diagrams are not necessary) :

- (a) Wides
- (b) Land bridge
- (c) Vegetation
- (d) Thermal pollution
- (e) Decibel
- (f) Non-renewable natural resources
- (g) Sedimentation co-efficient
- (h) Rf value
- (i) UV-range
- (j) Tribal area
- (k) Ethnobotany
- (l) Ethnic.  $1 \times 10 = 10$