

**Bachelor of Science (B.Sc.) Semester–VI Examination**  
**PLANT ECOLOGY, TECHNIQUES AND ETHNOBOTANY**  
**Optional Paper—2**  
**(Botany)**

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 on :— 5×2  
 (a) Continental drift theory  
 (b) Principles of phytogeography.

**OR**

- Write short notes on :— 2.5×4  
 (c) Tropical deciduous forest  
 (d) Endemics  
 (e) Landbridge theory  
 (f) Wides.

2. Write on :— 5×2  
 (a) Control of environmental pollution  
 (b) Conservation of forest.

**OR**

- Write short notes on :— 2.5×4  
 (c) Noise pollution  
 (d) Non-renewable natural resources  
 (e) Factors responsible for depletion of natural resources  
 (f) Agricultural pollution.

3. Write on :— 5×2  
 (a) Agarose gel electrophoresis  
 (b) Principles and application of electron microscopy.

**OR**

- Write short notes on :— 2.5×4  
 (c) Paper chromatography  
 (d) Principle of centrifugation  
 (e) Applications of chromatography  
 (f) Principle of electrophoresis.

4. Write on :—

5×2

- (a) Branches and importance of ethnobotany
- (b) Ethnic Societies of India.

**OR**

Write short notes on :—

2.5×4

- (c) Fruits used by tribals (any two)
- (d) Narcotic plants (any two)
- (e) Medicinal plants used by tribals (any two)
- (f) Vegetables used by tribals (any two).

5. Write in **2** or **3** lines on (any **TEN**) :—

1×10

Diagrams are not necessary.

- (a) Discontinuous species
- (b) Deccan plateau
- (c) Savannah
- (d) Solar energy
- (e) Rain water harvesting
- (f) Thermal pollution
- (g) UV Spectroscopy
- (h) TLC
- (i) SDS-PAGE
- (j) Gond
- (k) Ethnobotany
- (l) Ethno-seeds.