

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 on : 5×2

- (a) Principles of phytogeography
- (b) Continental drift theory.

OR

Write short notes on : 2.5×4

- (c) Deccan region
- (d) Wides
- (e) Malabar region
- (f) Endemics.

2. Write on : 5×2

- (a) Agricultural pollution
- (b) Control measures of environmental pollution.

OR

Write short notes on : 2.5×4

- (c) Factors responsible for depletion of forest resources
- (d) Deforestation
- (e) Conservation of water resources
- (f) Thermal pollution.

3. Write on : 5×2

- (a) Principle and applications of electron microscopy.
- (b) SDS-PAGE Electrophoresis.

OR

Write short notes on :

2.5×4

- (c) Applications of fluorescent microscopy.
- (d) Principle and applications of paper chromatography.
- (e) Applications of centrifugation
- (f) Phase-contrast microscopy.

4. Write on :

5×2

- (a) Branches and importance of ethnobotany.
- (b) Plants used by tribals as ethnomedicines.

OR

Write short notes on :

2.5×4

- (c) Wild plants used as vegetables by tribals (any two) :
- (d) Plants used as narcotics by tribals (any two)
- (e) Wild fruits used by tribals (any two)
- (f) Ethnic societies of India.

5. Write in **two** or **three** lines each on any **ten** (Diagrams are not necessary).

1×10

- (a) Indus plain
- (b) Climate
- (c) Phytogeography
- (d) Afforestation
- (e) Decibel
- (f) Chipko movement
- (g) TLC
- (h) Agarose gel
- (i) rpm
- (j) Tribal area
- (k) Tribes
- (l) Ethnobotany.