

NKT/KS/17/5207

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**

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(Contd.)

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.