

B.Sc. (CBCS Pattern) Sem-IV
012B - Botany Paper-II : Plant Ecology

P. Pages : 2

Time : Three Hours



GUG/W/22/11993

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagrams wherever necessary.

1. Write on: **5**

a) Explain temperature as a climatic factor.

b) Describe properties of soil. **5**

OR

Write short notes on:

c) Branches of ecology. **2½**

d) Atmosphere as a climatic factor. **2½**

e) Soil profile. **2½**

f) Interaction between plants and animals. **2½**

2 Write on:

a) Explain Ecological pyramids. **5**

b) Describe water cycle. **5**

OR

Write short notes on:

c) Biotic components. **2½**

d) Food web. **2½**

e) Nitrogen cycle. **2½**

f) Causes of air pollution. **2½**

3. Write on:

a) Describe interaction among population. **5**

b) Community dynamics. **5**

OR

Write short notes on:

- c) Importance of autecology. 2½
- d) Ecotype. 2½
- e) Life forms. 2½
- f) Analytic characters of community. 2½

4. Write on:

- a) Explain causes of succession. 5
- b) Describe phytogeographic regions of India. 5

OR

Write short notes on:

- c) Hydrosere. 2½
- d) Climax concept. 2½
- e) Continental drift. 2½
- f) Vegetation of Chandrapur district. 2½

5. Write in two or three line, diagrams are not necessary **any ten** **1x10**
=10

- a) Environment
- b) Troposphere
- c) Pedogenesis
- d) Food chain
- e) Smoke
- f) Aerosol
- g) Ecad
- h) Fidelity
- i) Chamaephytes
- j) Mesarch
- k) Phytoplankton
- l) Tectonic plates
