

B.Sc. CBCS Pattern Semester-IV  
**012B - Botany Paper-II : Plant Ecology**

P. Pages : 2  
Time : Three Hours



**GUG/W/23/11993**  
Max. Marks : 50

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1. Write notes on-
- a) Soil Profile. 5
  - b) Interaction between plants & animals. 5

**OR**

Write short notes on-

- c) Light as Climatic factor. 2½
- d) Chemical properties of soil 2½
- e) Interaction between plants and soil microorganisms. 2½
- f) Branches of ecology. 2½

2. Write notes on-
- a) Biotic Components. 5
  - b) Water Pollution. 5

**OR**

Write short notes on-

- c) Grazing food chain. 2½
- d) Carbon Cycle. 2½
- e) Ecological Pyramid of Biomass. 2½
- f) Air Pollution causes. 2½

3. Write notes on-
- a) Analytical Characters of Community. 5
  - b) Interaction among population. 5

**OR**

Write short notes on-

- c) Life forms. 2½
- d) Parameters of Autecology. 2½
- e) Ecotype. 2½
- f) Sigmoid growth curve 2½

4. Write notes on-

- a) Hydrosere. 5
- b) Phytogeographic regions. 5

**OR**

- c) Vegetation of Chandrapur and Gadchiroli. 2½
- d) Continental drift. 2½
- e) Climax concept. 2½
- f) Woodland stage in succession. 2½

5. Write **any ten** in one or two lines diagrams not necessary. 10

- a) Tropopause.
- b) Soil erosion.
- c) Ecology.
- d) Food web.
- e) Amonification.
- f) Abiotic factors.
- g) Ecad.
- h) Mutualism.
- i) Natality.
- j) Gangatic plain.
- k) Plant Succession.
- l) Pangaea.

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