

B.Sc. (C.B.C.S. Pattern) Sem-IV
Botany Paper-II (Plant Ecology)

P. Pages : 2

Time : Three Hours



GUG/W/19/11993

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

- a) Interaction between plants and Animals. 5
b) Temperature as a Climatic factor. 5

OR

Write short notes on-

- c) Branches of ecology. 2½
d) Physical properties of soil. 2½
e) Atmosphere. 2½
f) Interaction between plants and soil microorganisms. 2½

2. Write on

- a) Nitrogen cycle. 5
b) Causes of air pollution. 5

OR

Write short notes on

- c) Grazing food chain. 2½
d) Consumers of ecosystem. 2½
e) Water cycle. 2½
f) Ecological pyramid of number. 2½

3. Write on

- a) Parameters of autecology. 5
b) Analytical characters of synecology. 5

OR

Write short notes on.

- c) Life forms. 2½
- d) Community dynamics. 2½
- e) Growth curve. 2½
- f) Ecotype. 2½

4. Write on

- a) Hydrosere. 5
- b) Continental drift concept. 5

OR

Write short notes on

- c) Western Himalaya. 2½
- d) Phytogeographic studies of Gadchiroli. 2½
- e) Assam. 2½
- f) Central India. 2½

5. Write **any ten** in two or three lines (Diagrams are not necessary). **1x10**

- a) Environment.
- b) Pedogenesis.
- c) Litter.
- d) Symbiosis.
- e) Precipitation.
- f) Nitrification.
- g) Ecad.
- h) Commensalism.
- i) Predator.
- j) Succession.
- k) Climax concept.
- l) Tectonic Plates.
