

M.Sc. (Botany) (CBCS Pattern) Semester-III
PSCBOTT09 - Paper-IX - Plant Ecology

P. Pages : 1

Time : Three Hours



GUG/S/25/11241

Max. Marks : 80

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

1. Describe the mechanism of Ecological succession in detail. 16

OR

Write notes on:

- a) Analytical character and synthetic character. **8**
- b) Interspecific associations. **8**

2. Describe ecosystem organization with respect to its structure and function in detail. 16

OR

Write notes on:

- a) Nitrogen cycle and carbon cycle. **8**
- b) Litter fall and decomposition. **8**

3. Describe sources and quality parameters of water. Write its effect on plants. 16

OR

Write notes on:

- a) Global warming and UV radiation. **8**
- b) Ozone layer and ozone hole. **8**

4. Describe concept, sustainable development of ecological management. 16

OR

Write notes on:

- a) Resistance and resistance. **8**
- b) Ecological perturbation. **8**

5. Write short notes on:

- a) Autoecology. **4**
- b) Energy flow pathway. **4**
- c) Green-house gases. **4**
- d) Ecosystem restoration. **4**
