

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

P. Pages : 1

Time : Three Hours



GUG/S/23/11241

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw diagrams wherever necessary and illustrate your answers with suitable examples.

1. Write is the mechanism of Ecological succession? Describe the change in ecosystem properties during the process of succession. **16**

OR

Write on:-

- a) Concept of community and continuum. **8**
- b) Ecological Niche. **8**

2. Describe in brief Global biogeochemical cycles in terrestrial and aquatic ecosystem. **16**

OR

Write on:-

- a) Energy dynamics. **8**
- b) Structure and function of primary production. **8**

3. What is water pollution? Add notes on sources of water pollution and its effect on plant and ecosystem. **16**

OR

Write on:-

- a) Green house gases. **8**
- b) Consequences of climate change. **8**

4. Describe the process of ecological perturbations and discuss its impact on plant and ecosystem. **16**

OR

Write on: -

- a) Ecosystem restoration. **8**
- b) Sustainable development. **8**

5. Write short notes on:-
- a) Autecology. **4**
 - b) Litter fall and decomposition. **4**
 - c) Ozone hole. **4**
 - d) Concept of ecological management. **4**
