

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

P. Pages : 1

Time : Three Hours



**GUG/W/24/11241**

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Illustrate your answers with diagrams & suitable examples.

1. Describe the mechanism of ecological succession in detail. **16**

**OR**

Write notes on-

- a) Concept of interspecific associations. **8**  
b) Concept of community and continuum. **8**

2. Explain energy dynamics of ecosystem in detail. **16**

**OR**

Write notes on-

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

3. What is Global warming? Explain its consequences on climate change. **16**

**OR**

Write notes on-

- a) Soil pollution. **8**  
b) Air pollution **8**

4. What is the sustainable development and explain its role in Ecological management. **16**

**OR**

Write notes on-

- a) Environmental impact assessment. **8**  
b) Ecology of plant invasion. **8**

5. Write short notes on-

- a) Autecology **4**  
b) Energy flow pathway **4**  
c) Ozone hole **4**  
d) Environmental impact assessment **4**

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