

M.Sc.(Botany) (CBCS Pattern) Semester - III  
**PSSBOTT12-3 - BOTI-XII-SEC-I-Paper-IV : Plant Diversity and  
Human Welfare-I**

P. Pages : 1

Time : Three Hours



GUG/S/23/11250

Max. Marks : 80

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

1. What is Plant Diversity? Explain in details at ecosystem level. **16**

**OR**

Write notes on:

- a) Agrobiodiversity & cultivated plant taxa. **8**  
b) Wild taxa. **8**

2. Define Biodiversity. Give the details uses at plants and microbes. **16**

**OR**

Write notes on:

- a) Ethical & Aesthetic value of plants. **8**  
b) Biodiversity valuation methodologies. **8**

3. What is Biodiversity degradation? Explain it with reference to genetic and species degradation. **16**

**OR**

Write notes on:

- a) Agrobiodiversity loss. **8**  
b) Biodiversity loss in future. **8**

4. What is Plant Biodiversity Management? Explain its execution methodologies with IUCN and UNESCO. **16**

**OR**

Write notes on:

- a) Biodiversity legislation & conservation. **8**  
b) WWF & NBPGR. **8**

5. Write short notes on:

- a) Scope of Plant Diversity. **4**  
b) Biodiversity precautionary principles. **4**  
c) Negative impact of ecosystem diversity. **4**  
d) Biodiversity communication. **4**

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