

M.Sc.(Botany) (CBCS Pattern) Semester-III
PSSBOTT12-3 (SEC-1) Paper-IV - Plant Diversity and Human Welfare-I

P. Pages : 2

Time : Three Hours



GUG/W/24/11250

Max. Marks : 80

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

- 1.** What is plant diversity? Describe in detail genetic diversity and species diversity with suitable examples. **16**

OR

Write note on :

- a) Agrobiodiversity **8**
- b) Plant diversity at the ecosystem level. **8**

- 2.** Define biodiversity. Describe in detail ethical and aesthetic values. **16**

OR

Write notes on :

- a) Uses of plant diversity to mankind. **8**
- b) Methodologies for valuation of biodiversity. **8**

- 3.** Explain in detail causes and impacts of loss of genetic and ecosystem diversity. **16**

OR

Write notes on :

- a) Agrobiodiversity loss **8**
- b) Projected scenario for biodiversity loss. **8**

- 4.** What is plant biodiversity management? Write in detail about biodiversity legislation and conservation. **16**

OR

Write notes on :

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|---|---|
| a) Biodiversity information management and communication. | 8 |
| b) IUCN organization & its role in biodiversity management. | 8 |

5. Write short notes on :

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|------------------------------|---|
| a) Wild plant taxa. | 4 |
| b) Precautionary principle. | 4 |
| c) Loss of species diversity | 4 |
| d) UNEP | 4 |
