

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

P. Pages : 1

Time : Three Hours



**GUG/S/25/11250**

Max. Marks : 80

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- Notes : 1. All question carries equal marks.  
2. Draw well labelled diagrams wherever necessary.

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|-----------|---|-----------|
| <b>1.</b> | Describe plant diversity at ecosystem level in detail.              | <b>16</b> |
|           | <b>OR</b>   |           |
|           | Write notes on-   |           |
|           | a) Agrobiodiversity.  | 8         |
|           | b) Genetic diversity.   | 8         |
| <b>2.</b> | Describe ethical and aesthetic value of Bio-diversity in detail.    | <b>16</b> |
|           | <b>OR</b>   |           |
|           | Write notes on-   |           |
|           | a) Methodologies for valuation.                                     | 8         |
|           | b) Use of Microbes.   | 8         |
| <b>3.</b> | Explain the causes of loss of genetic & Agrobiodiversity in detail. | <b>16</b> |
|           | <b>OR</b>   |           |
|           | Write notes on-   |           |
|           | a) Loss of species diversity.                                       | 8         |
|           | b) Projected scenario for Biodiversity loss.                        | 8         |
| <b>4.</b> | Explain Biodiversity legislation and conservation in detail.        | <b>16</b> |
|           | <b>OR</b>   |           |
|           | Write notes on-   |           |
|           | a) Biodiversity management.   | 8         |
|           | b) UNESCO and IUCN.   | 8         |
| <b>5.</b> | Write short notes on-   |           |
|           | a) Species diversity.   | 4         |
|           | b) Aesthetic values.  | 4         |
|           | c) Loss of Ecosystem diversity.                                     | 4         |
|           | d) NBPGR.   | 4         |

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