

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

P. Pages : 1

Time : Three Hours



**GUG/W/23/11250**

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 examples.

1. Describe in detail Genetic diversity and Species diversity with suitable examples. 16
- OR**
- Write notes on:
- a) Agrobiodiversity 8
- b) Ecosystem Diversity 8
2. Write in detail aesthetic and ethical values and uses of Biodiversity. 16
- OR**
- Write notes on:
- a) Microbes in human welfare. 8
- b) Uses of plant diversity to mankind. 8
3. Explain in detail causes and impacts of loss of species and ecosystem diversity. 16
- OR**
- Write notes on:
- a) Impacts of genetic diversity loss 8
- b) Projected scenario for biodiversity loss. 8
4. Describe in detail NBPGR, organization & its role on Biodiversity Management. 16
- OR**
- Write notes on:
- a) Biodiversity legislation. 8
- b) IUCN 8
5. Write short notes on:
- a) Wild taxa 4
- b) Precautionary principle 4
- c) Loss of Ecosystem biodiversity 4
- d) UNEP 4

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