

M.Sc. (Botany) (CBCS Pattern) Third Semester  
**PSSBOTT12-5 / PSSBOTT12 - Basic Botany-I Paper-XII**

P. Pages : 1

Time : Three Hours



**GUG/W/18/11240**

Max. Marks : 80

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

1. What are Bryophytes? Describe general characteristics of Bryophytes and add note on economic importance of Bryophytes. **16**

**OR**

Write notes on :

- a) Classification of Fungi. **8**  
b) General features of Mycoplasma. **8**

2. Give general description of Division Gymnosperm and add note on its classification. **16**

**OR**

Write notes on:

- a) Classification of Pteridophytes. **8**  
b) General features of Angiosperms. **8**

3. Define flower and describe structure of typical flower. Add note on inflorescence and its types giving suitable examples. **16**

**OR**

Write note on:

- a) Morphology of leaf in technical terms. **8**  
b) Identifying characters of Annonaceae and Labiatae. **8**

4. Give detail account on anatomical features of normal secondary growth of root, stem and leaf in Dicot angiosperms. **16**

**OR**

Write notes on:

- a) Tissue system in Angiosperms. **8**  
b) Anomalous secondary growth in monocot stem. **8**

5. Write short note on:

- a) Bacteria. **4**  
b) Economic importance of pteridophytes. **4**  
c) Types of Fruits. **4**  
d) Necrosis. **4**

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