

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

P. Pages : 1

Time : Three Hours



**GUG/S/23/11240**

Max. Marks : 80

- Notes : 1. All questions are compulsory and carry equal marks.  
2. Illustrate your answer with suitable diagram and examples wherever necessary.

1. Write a general account and classification of fungi. **16**

**OR**

Write on:

- a) Economic importance of viruses. **8**  
b) Bryophytes and its classification. **8**

2. Write about the general characteristics and classification of Gymnosperms. **16**

**OR**

Write on:

- a) Characteristic features of Pteridophytes. **8**  
b) Monocotyledons and Dicotyledons. **8**

3. Write in detail about the morphology of Angiosperms. **16**

**OR**

Write on:

- a) Habit and habitat. **8**  
b) Floral characters of family Asteraceae and Euphorbiaceae. **8**

4. Write in detail about the types of tissues in plants. **16**

**OR**

Write on:

- a) Anomalous secondary growth in the dicot stem. **8**  
b) Wound healing and leaf falling. **8**

5. Write short notes on:

- a) Mycoplasma **4**  
b) Heterospory **4**  
c) Types of fruit **4**  
d) Anatomy of root. **4**

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