

M.Sc.(Botany) (CBCS Pattern) Semester-III
PSSBOTT12-5 - SEC-I Paper-IV - Basic Botany-I

P. Pages : 1

Time : Three Hours



GUG/W/24/11240

Max. Marks : 80

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- Notes : 1. Solve all question, it carries equal marks.
2. Draw labelled diagram wherever necessary.

1. Describe the types of Bacteria and Describe Bacterial cell structure in detail. **16**

OR

Write notes on:

- a) Lichen & its Economic importance. **8**
b) Economic importance of Fungi. **8**

2. Describe the morphology and anatomy of any member of pteridophytes. **16**

OR

Write notes on:

- a) General character of Dicotyledon. **8**
b) General character of Gymnosperm. **8**

3. What is Root? Describe the modification of adventitious and Tap root. **16**

OR

Write notes on:

- a) Dicot and monocot seed. **8**
b) Types of leaves **8**

4. Describe the Anamolous secondary growth in Dracaena stem in detail. **16**

OR

Write notes on:

- a) Anatomy of dicot stem. **8**
b) Anatomy of Monocot leaf. **8**

5. Write short notes on:
a) Mycoplasma. **4**
b) Economic importance of Gymnosperm. **4**
c) Inflorescence Cymose. **4**
d) Anatomy of monocot root. **4**
