

M.Sc.(Botany) (CBCS Pattern) Semester-II
PSCBOTT08 - Paper-IV - Angiosperms-I

P. Pages : 1

Time : Three Hours



GUG/W/24/11198

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 angiosperm morphology with respect to flower. 16

OR

Write note on:

- a) Difference between dicot and monocot flower. 8
b) Floral adaptation to different pollinators. 8

2. Give detail account of Bentham and Hooker natural system of classification with its merits and demerits. 16

OR

Write note on:

- a) Taxonomic Hierarchy. 8
b) Concept of species. 8

3. Explain role of embryology in taxonomy with suitable examples in detail. 16

OR

Write note on:

- a) Role of botanical garden in taxonomy. 8
b) Role of Biochemical and molecular techniques in Taxonomy. 8

4. Describe in details principles, aims and objectives of numerical taxonomy. 16

OR

Write note on:

- a) Biosystematics categories. 8
b) Salient features of ICBN. 8

5. Write short notes on:
- a) Floral symmetry. 4
b) Principles of taxonomy. 4
c) Palynology in Taxonomy. 4
d) Homoplasy and monophyly. 4
