

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

P. Pages : 1

Time : Three Hours



GUG/W/23/11198

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labeled diagrams wherever necessary.

1. Discuss in details about Floral Adaptation to different insect & Bird pollinators citing suitable examples. **16**

OR

Write note on:

- a) Diversity origin and evolution in Angiosperm Stamen. **8**
b) Placentation in Angiosperm **8**
2. Describe in details Taxonomic characters giving suitable examples. **16**

OR

Write note on:

- a) Taxonomic Hierarchy and Species concept. **8**
b) Merits and Demerits of Bentham and Hooker's classification system. **8**
3. Discuss in brief Botanical Senden & Heras as Taxonomic Tools used in plant classification. **16**

OR

Write note on:

- a) Cytology and Phytochemistry as taxonomic evidences. **8**
b) Role of palynology in taxonomy. **8**
4. Describe principle, aims and objectives of Numerical Taxonomy. **16**

OR

Write note on:

- a) Salient features of ICBN. **8**
b) Methods of Biosystematics studies. **8**
5. Write short note on:
- a) Floral symmetry. **4**
b) Phylogenetic system of Plant classification. **4**
c) Genome analysis as Taxonomic evidence. **4**
d) Monophyly and Polyphyly. **4**
