

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

P. Pages : 1

Time : Three Hours



GUG/S/25/11198

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate your answers with diagrams & suitable examples.

1. Give detail account on types of placentation and its evolutionary significance. **16**
- OR**
- Write note on-
- a) Variations in stamens and carpels. **8**
- b) Floral adaptations to pollinators **8**
2. Write a detail account on merits and demerits of natural system of classification. **16**
- OR**
- Write note on-
- a) Concept of genus & family. **8**
- b) Synthetic characters in Taxonomy. **8**
3. Phytochemistry as a taxonomic evidence. **16**
- OR**
- Write note on-
- a) Botanical gardens as taxonomic tools. **8**
- b) Herbarium in taxonomy. **8**
4. Write a detail account on cladogram with a suitable example. **16**
- OR**
- Write note on-
- a) Phenotypic plasticity. **8**
- b) Salient features of ICBN. **8**
5. Write short notes on-
- a) Floral symmetry. **4**
- b) Taxonomic hierarchy. **4**
- c) GIS. **4**
- d) Polyphyly. **4**
