

M.Sc.(Botany) (CBCS Pattern) Sem-IV
PSCBOTT14 - Paper-XIV : Angiosperms-II

P. Pages : 1

Time : Three Hours



GUG/W/22/11356

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Illustrate your answers with suitable examples and draw well labelled diagrams wherever necessary.

1. Give an general account, distinguished characters, floral variations and evolution of Magnoliidae as per Cronquist 1968 circumscription. **16**

OR

Write on:

- a) Distinguished characters and floral variation of Rosidae. **8**
 - b) Distinguished characters and floral variation of Asteriidae. **8**
2. Give an general account, distinguished characters, floral variations, evolution and affinities of Lilidae. **16**

OR

Write on:

- a) Distinguished characters and floral variation in Alismatidae. **8**
 - b) Interesting features and systematic position of family-Lemnaceae. **8**
3. Write in detail about the probable ancestors of Angiosperms. **16**

OR

Write on:

- a) Primitive living Angiosperms. **8**
 - b) IUCN categories of threat. **8**
4. Explain the role of biodiversity in ecosystem functions and stability. **16**

OR

Write on:

- a) Hotspots and hottest hotspots. **8**
 - b) Local plant diversities and its socioeconomic importance. **8**
5. Write short notes on:
- a) Distinguished characters of Hamamelidae. **4**
 - b) Systematic position of Cucurbitaceae. **4**
 - c) Speciation. **4**
 - d) Endemism. **4**
