

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

P. Pages : 1

Time : Three Hours



GUG/S/25/11356

Max. Marks : 80

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

1. Describe in detail diagnostic characters, reproductive variation and affinities of Hamamelidae. 16

OR

Write note on:

- a) Reproductive variation of Asteridae. 8
b) Floral characters of Magnoliidae. 8

2. Give general account, distinguished characters, floral variation and evolution, affinities of Alismatidae. 16

OR

Write note on:

- a) Interesting features of Cactaceae. 8
b) Floral characters of Curbitaceae. 8

3. Give detail account of IUCN categories of threat and add note on distribution and global pattern of biodiversity. 16

OR

Write note on:

- a) Probable ancestors of angiosperms. 8
b) Primitive living angiosperms. 8

4. Define and explain the concept of Biological diversity. Add note on role of biodiversity in ecosystem functions and stability. 16

OR

Write note on:

- a) Role of local plant diversity. 8
b) Plant invasions. 8

5. Write short notes on:
a) Distinguished characters of Dilleniidae. 4
b) Floral characters of Orchidaceae. 4
c) Speciation. 4
d) Hottest hotspot. 4
