

M.Sc. (Botany) (NEP Pattern) Semester-III  
**03MSCBOT01 - Paper-I : Angiosperm-II**

P. Pages : 1

Time : Three Hours



**GUG/S/25/15952**

Max. Marks : 80

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

- 1.** Describe in detail diagnostic characters, reproductive variation and affinities of Rosidae. **16**

**OR**

Write note on-

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

- 2.** Give general account, distinguished characters, floral variation and evolution, affinities of Palmae. **16**

**OR**

Write note on-

- a) Interesting Characteristic features of Cactaceae. **8**  
b) Floral characters of Cucurbitaceae. **8**

- 3.** Explain in brief primitive living angiosperms and its probable ancestors with suitable examples. **16**

**OR**

Write note on-

- a) IUCN categories of threat. **8**  
b) Global pattern of Biodiversity. **8**

- 4.** What is a biological diversity? Describe in detail its importance in ecosystem function and stability. **16**

**OR**

Write note on-

- a) Hotspots and hottest hotspots. **8**  
b) Endemism. **8**

- 5.** Write short notes on-

- a) Ray floret and disc floret flowers. **4**  
b) Floral characters of Orchidaceae. **4**  
c) Speciation. **4**  
d) Invasions of plants. **4**

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