

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

P. Pages : 1

Time : Three Hours



GUG/W/24/15952

Max. Marks : 80

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

1. Describe in detail the distinguished characters, floral variation & evolutionary affinities of subclass – Asteridae. **16**

OR

Write notes on:

- a) Floral diagram, floral formula with distinguishing characters of Rosaceae. **8**
b) Distinguishing characters and evolutionary affinities of subclass-magnoliidae. **8**

2. Describe in detail the distinguished characters, floral variation & evolutionary affinities of subclass Lilidae. **16**

OR

Write notes on-

- a) Distinguishing characters of family Cucurbitaceae. **8**
b) Floral variation in Palmae. **8**

3. Describe in details the probable ancestors of angiosperms and primitive living angiosperm. **16**

OR

Write notes on:

- a) Specification and extinction. **8**
b) IUCN categories of threat. **8**

4. What is biodiversity? Explain biological diversity concept and its levels. **16**

OR

Write notes on:

- a) Hotspots and hottest hotspots. **8**
b) Invasions and introductions **8**

5. Write short notes on-

- a) Magnoliaceae. **4**
b) Orchidaceae. **4**
c) Global pattern of biodiversity. **4**
d) Endemism. **4**
