

B.Sc 2341 - Botany Paper-I (Taxonomy and Diversity of Angiosperms)

P. Pages : 2

GUG/W/18/1256

Time : Three Hours



Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

1. Write on Bentham and Hooker's system of Classification. Mention it's Merits and demerits. **10**

OR

- a) Give a brief account on Binomial nomenclature system, their principles. **5**
- b) Give the morphological peculiarities and systematic position of Family Mimosaceae. **5**

2. Describe the Family Ranunculaceae and its economic importance. **10**

OR

- a) Magnolia a primitive angiosperms? Comment. **5**
- b) Flower & Asclepiadaceae. **5**

3. Write short notes on.

- a) Taxonomic ranks. **2½**
- b) Enigmocarpon fruit. **2½**
- c) Verticillaster inflorescence in Lamiaceae. **2½**
- d) Corolla in Fabaceae. **2½**

OR

- e) Classical herbarium technique. **2½**
- f) Gynoecium of Brassicaceae. **2½**
- g) Outline of Linnaeus classification. **2½**
- h) Economic importance of Family Malvaceae. **2½**

4. a) Inflorescence to Euphorbiaceae. **2½**
- b) Distinguishing characters of caesalpiniaceae. **2½**
- c) flower to orchidaceae. **2½**
- d) Economic importance of family solanaceae. **2½**

OR

- e) Artificial classification system. 2½
- f) Saharianthus. 2½
- g) Distinguishing characters of Asteraceae. 2½
- h) Systematic position of Liliaceae. 2½

5. Write answer in two to three lines only for **any ten**. Diagram is not necessary. 10

- a) Taxonomy.
- b) Typification.
- c) Fossil.
- d) Digital herbarium.
- e) Apocarpus.
- f) Dicotyledones.
- g) Monadelphous stamen.
- h) Bicarpellary ovary.
- i) Gamopetalous Corolla.
- j) Axile placentation.
- k) Sagittate anther.
- l) Spikelet inflorescence.
