

B.Sc. (CBCS Pattern) Sem-II  
**012B - Botany Paper-II : Taxonomy & Diversity of Angiosperms**

P. Pages : 2

Time : Three Hours



**GUG/W/22/11573**

Max. Marks : 50

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

1. Write on-
- a) Bennetitalean Theory. 5
- b) Sahanianthus flower. 5

**OR**

Write short notes on-

- c) Magnolia. 2½
- d) Taxonomic ranks. 2½
- e) Typification. 2½
- f) Linnaeus. 2½
2. Write on-
- a) Types of classification of Angiosperms. 5
- b) Merits of Bentham and Hooker System 5

**OR**

- c) Virtual Herbarium 2½
- d) Demerits of Bentham & Hooker System 2½
- e) Discifloral of Bentham & Hooker system. 2½
- f) Classical Herbarium. 2½
3. Write on-
- a) Reproductive characters of Malvaceae. 5
- b) Morphological characters of solanaceae. 5

**OR**

Write notes on-

- c) Morphological characters of Brassicaceae. 2½
- d) Reproductive characters of Papilionaceae. 2½
- e) Morphological characters of Fabaceae. 2½
- f) Floral diagram of Brassica campestris. 2½

4. Write on-

- a) Reproductive characters of Asteraceae. 5
- b) Morphological characters of Asclepiadaceae. 5

**OR**

Write short notes on-

- c) Morphological characters of Liliaceae.
- d) Economic importance of poaceae.
- e) Morphological characters of Asteraceae.
- f) Reproductive characters of Asclepiadaceae.

5. Write **any ten** questions in one or two lines only. 10

- a) Taxonomy
- b) Enigmocarpon
- c) Theophrastus.
- d) Genera plantarum
- e) Phylogenetic classification.
- f) Herbarium.
- g) Cruciform corolla.
- h) Vexillary aestivation.
- i) Monoadelphous condition.
- j) Disc floret.
- k) Gynostegium.
- l) Bilabiate corolla.

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