

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

P. Pages : 2

Time : Three Hours



**GUG/S/25/11573**

Max. Marks : 50

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

**1.** Write notes on:

- a) Bennettitalean Theory. **5**
- b) Principles of ICBN. **5**

**OR**

Write short notes on:

- c) Enigmocarpon **2½**
- d) Magnolia **2½**
- e) Taxonomic evidences from Palynology. **2½**
- f) Taxonomic Ranks **2½**

**2.** Write notes on:

- a) Bentham & Hooker's system of classification. **5**
- b) Write in detail about Binomial Nomenclature. **5**

**OR**

Write short notes on:

- c) Theophrastus's system of classification. **2½**
- d) Artificial systems of classification. **2½**
- e) Indian Botanical Garden, Kolkata. **2½**
- f) Virtual (Digital) herbarium technique. **2½**

**3.** Write notes on:

- a) Floral characteristics of family Brassicaceae with Floral Formula and Floral diagram. **5**
- b) Vegetative characters & Economic Importance of the family Solanaceae. **5**

**OR**

Write short notes on:

- c) Floral Formula and Floral diagram of Solanaceae. 2½
- d) Economic importance of Fabaceae. 2½
- e) Vegetative characteristics of family Malvaceae. 2½
- f) Floral Formula and Floral diagram of Fabaceae. 2½

4. Write notes on:

- a) Floral characteristics of family Asclepiadeacea. 5
- b) Vegetative Characters & Economic Importance of the family Poaceae. 5

**OR**

Write short notes on:

- c) Floral Formula and Floral diagram of Asteraceae. 2½
- d) Economic importance of Asteraceae. 2½
- e) Reproductive characteristics of family Liliaceae. 2½
- f) Floral Formula and Floral diagram of Poaceae. 2½

5. Write in one line. Diagrams are not necessary **any ten.** **10**

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|--------------------|-----------------------|
| a) Sahanianthus    | b) Numerical Taxonomy |
| c) Holotype        | d) Father of Taxonomy |
| e) Generic Epithet | f) Labelling          |
| g) Monadelphous    | h) Vexillum           |
| i) Pseudoseptum    | j) Pappus             |
| k) Gynostegium     | l) Lodicules          |

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