

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

P. Pages : 2

Time : Three Hours



GUG/W/24/11573

Max. Marks : 50

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

1. Write on:

- | | |
|-------------------------------------|----------|
| a) Rules of botanical nomenclature. | 5 |
| b) Bennettitalian Theory | 5 |

OR

Write short notes on:

- | | |
|------------------------------|-----------|
| c) Sahanianthus | 2½ |
| d) Magnalia | 2½ |
| e) Principal of Nomenclature | 2½ |
| f) Enigmocarpon fruit | 2½ |

2. Write on:

- | | |
|--|----------|
| a) Describe Classical Herberium Technique. | 5 |
| b) Types of Classification. | 5 |

OR

Write short notes on:

- | | |
|---|-----------|
| c) Virtual Herberium | 2½ |
| d) Merits of Bentham & Hooker system of classification. | 2½ |
| e) Polypotaleae | 2½ |
| f) Demerits of Bentham & Hooker system of classification. | 2½ |

3. Write on:
- a) Vegetative characters of Fabaceae. 5
 - b) Economic importance of Solanaceae. 5

OR

Write short notes on:

- c) Floral character of Malvaceae. 2½
- d) Economic importance of Brassicaceae. 2½
- e) Floral structure of Caesalpinaceae. 2½
- f) Economic importance of Mimosaceae. 2½

4. Write on:
- a) Floral characters of Asteraceae. 5
 - b) Vegetative nature of Orchidaceae. 5

OR

Write short notes on:

- c) Floral diagrams of Apocynaceae. 2½
- d) Economic importance of Poaceae. 2½
- e) Floral characters of Euphorbiaceae. 2½
- f) Economic importance of Lamiaceae. 2½

5. Write on the following in two-three lines only for **any ten** (diagrams are not necessary). 10

- a) Theophrastus
- b) Holotype
- c) Specis Plantarum
- d) Vasculum
- e) Cohort
- f) Monodamydeae
- g) Epipetalous stamen
- h) Cruciform corolla
- i) Hypogynous
- j) Verticillaster
- k) Pollinia
- l) Labellum
