

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

P. Pages : 2

Time : Three Hours



GUG/W/24/11573(S)

Max. Marks : 50

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

- 1.** Write notes on: **5x2**
=10
- a) Bennettitalic Theory.
b) Principles of ICBN.

OR

Write short notes on:

- c) Sahnianthus. **2½x4**
=10
d) Phytochemical evidences in modern taxonomic.
e) Primitive characters of Magnolia.
f) Advantages and disadvantages of numerical taxonomy.

- 2.** Write notes on: **5x2**
=10
- a) Binomial nomenclature.
b) Classical herbarium.

OR

Write short notes on:

- c) Phylogenetic system. **2½x4**
=10
d) Merits of Bentham & Hooker system.
e) Royal botanical garden of Kew.
f) Digital herbarium.

- 3.** Write notes on: **5x2**
=10
- a) Vegetative and reproductive characters of Brassicaceae.
b) Reproductive characters, floral formula and floral diagram of Solanaceae.

OR

Write short notes on:

- c) Floral formula and floral diagram of Pisum sativum. **2½x4**
=10
d) Floral characters of Malvaceae.
e) Economic importance of Solanaceae.
f) Vegetative characters of Malvaceae.

4. Write notes on:

- a) Floral characters of Poaceae.
- b) Floral characters of Asteraceae.

5x2

=10

OR

Write short notes on:

- c) Vegetative characters of Liliaceae.
- d) Floral formula and floral characters of Calotropis procera.
- e) Economic importance of Poaceae.
- f) Vegetative characters of Asteraceae.

2½x4

=10

5. Write **any ten** questions in one or two lines only (Diagrams are NOT necessary).

1x10

=10

- | | |
|-----------------|----------------------------|
| a) Enigmocarpon | b) Cladistics |
| c) Isotype | d) Monochlamydeae |
| e) Theophrastus | f) Indian botanical garden |
| g) Replam | h) Monadelphous |
| i) Keel | j) Lodicule |
| k) Trimerus | l) Corona |
