

Third Semester B. Sc. Examination

BOTANY

Paper : I

(Angiosperm Taxonomy)

Time : Three Hours]

[Max. Marks : 50

- N. B. :** (1) All questions are compulsory and carry equal marks.
(2) Illustrate your answers with suitable examples and diagrams wherever necessary.
(3) Floral diagram and floral formula is expected in floral characters.

1. Write on :—

- (a) Phytochemistry. 5
(b) Indented and bracketed keys. 5

OR

Write short notes on :—

- (c) **Enigmocarpon.**
(d) Principle of Priority.
(e) Taxonomic ranks.
(f) Aims of angiosperm taxonomy. 2.5 x 4

2. Write on :—

- (a) Outline of Engler and Prantl's system of classification and its merits. 5

- (b) Artificial and phylogenetic system of classification. 5

OR

Write short notes on :—

- (c) Demerits of Engler and Prantl's system of classification.
(d) Natural System of classification.
(e) Merits of Bentham and Hooker's System of classification.
(f) Outline of Bentham and Hooker's system of classification. 2.5 x 4

3. Write on :—

- (a) Floral characters of Ranunculaceae. 5
(b) Floral characters of Brassicaceae. 5

OR

Write short notes on :—

- (c) Economic importance of Papilionoideae.
(d) Floral formula and floral diagram of caesalpinioideae.
(e) Papilionaceous corolla.
(f) Economic importance of Mimosoideae. 2.5 x 4

4. Write on :—

- (a) Floral characters of Asclepiadaceae. 5
(b) Economic importance of Poaceae. 5

OR

Write short notes on :—

- (c) Disc floret.
- (d) Economic importance of Euphorbiaceae.
- (e) Floral formula and floral diagram of Alismataceae.
- (f) Spikelet inflorescence. 2.5 x 4

5. Write in Two –Three lines only (Any Ten) Diagrams are not necessary. :—

- (a) OTU
- (b) Karyotype
- (c) ICBN
- (d) Die Natürlichen Pflanzenfamilien.
- (e) Gamopetalae
- (f) Phanerogams.
- (g) Siliqua
- (h) Staminodes
- (i) Legume.
- (j) Ray floret.
- (k) Cyathium
- (l) Caryopsis. 1 x 10