

NTK/KW/15/5829

Bachelor of Science (B.Sc.) Semester—III
Examination
BOTANY (Angiosperm Taxonomy)
Paper—I

Time—Three Hours]

[Maximum Marks—50

- N.B. :—** (1) All questions are compulsory and carry equal marks.
(2) Draw well labelled diagrams wherever necessary.

1. Write on :

- (a) Benettitalean theory of angiosperm origin 5
(b) *Sahanianthus* flower 5

OR

Write short notes on :

- (c) Indented key 2.5
(d) Principles of botanical nomenclature. 2.5
(e) Taxonomic ranks 2.5
(f) *Enigmocarpon*. 2.5

2. Write on :

- (a) Engler and Prantl's system of classification 5
(b) Outline of Bentham and Hooker's system of classification. 5

OR

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Contd.

Write short notes on :

- (c) Merits and demerits of Bentham and Hooker's system 2.5
- (d) Natural system of classification 2.5
- (e) Merits and demerits of Engler and Prantl's system 2.5
- (f) Phylogenetic system of classification. 2.5

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 2.5
- (d) Floral characters of Caesalpinoideae 2.5
- (e) Economic importance of Brassicaceae 2.5
- (f) Floral diagram and floral formula of Papilionoideae. 2.5

4. Write on :

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

OR

Write short notes on :

- (c) Cyathium inflorescence 2.5
- (d) Floral diagram and floral formula of Asclepiadaceae 2.5
- (e) Economic importance of Asteraceae 2.5
- (f) Floral characters of Alismataceae. 2.5

5. Write in **two** or **three** lines only (any **Ten**). Diagrams are not necessary.

- (a) ICBN
- (b) Cytotaxonomy
- (c) Epiphyllous
- (d) Sympetalae
- (e) Cohort
- (f) Polypetalae
- (g) Replum
- (h) Staminodes
- (i) Legume
- (j) Pappus
- (k) Pollinia
- (l) Apocarpous. 1×10=10