

Roll No.

DD-464

**M. Sc. (Second Semester)
EXAMINATION, May/June, 2020**

BOTANY

Paper First

(Taxonomy and Diversity of Plant)

Time : Three Hours

Maximum Marks : 80

Note : Question No. 1 is compulsory. Attempt *one* question from each Unit. All questions carry equal marks.

1. Answer the following in very brief (any *four*) :
 - (a) Principle of Priority
 - (b) Genome Analysis (only key points)
 - (c) Structure of Androecium of family Cucurbitaceae and Asteraceae
 - (d) Primitive characters of Magnoliaceae
 - (e) Comparison of family Cyperaceae and Poaceae

Unit—I

2. Write an account of Taxonomic literature.

Or

Write a detailed account on Taxonomic Hierarchy.

(A-60) P. T. O.

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Unit—II

3. Describe the classification given by Bentham and Hooker.

Or

Describe the outline classification of Angiosperms given by Engler and Prantdl.

Unit—III

4. Describe the salient features of the following :

- (a) Flower of Magnoliaceae
- (b) Fruit of Umbelliferae
- (c) Inflorescence of Labiatae
- (d) Hypanthodium

Or

Differentiate between the following families :

- (i) Ranunculaceae and Magnoliaceae
- (ii) Labiatae and Verbenaceae

Unit—IV

5. Describe family Cyperaceae with five plants of its economic importance with their botanical names.

Or

Describe family Zingiberaceae with five plants of economic importance with their botanical names.