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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.

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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

O

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.

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