



MJ-515

M.Sc. (Botany)

2nd Semester Examination, Jan.-June, 2022

Paper - I

Taxonomy and Diversity of Plants

Time : Three Hours]

[*Maximum Marks* : 80

Note : Answer from all the Units and Question Number 1 is compulsory. All questions carry equal marks.

1. Write short notes on the following :

(a) Taxonomic Literature

(b) Fossils Angiosperm

(c) International Code of Botanical
Nomenclature

(d) Nucleic acid hybridization

(2)

Unit-I

2. Describe the taxonomic keys.

OR

Write short notes on the following :

- (a) Palynology
(b) Geographical Information System (GIS)

Unit-II

3. Explain the Hutchinson's System of Classification.

OR

Write short notes on the following :

- (a) Takhtajan and Cronquist system
(b) Salient features of Bentham and Hooker's classification

Unit-III

4. Describe the details of family Cucurbitaceae and economic importance.

OR

Write short notes on the following :

- (a) Inflorescence of Asteraceae family
(b) Economic importance of Moraceae

(3)

Unit-IV

5. Write systematic position, phylogeny, evolutionary trends and economic importance of family Commelinaceae.

OR

Write short notes on the following :

- (a) Floral character of family Zingieraceae
(b) Systematic Position of family Poaceae