

Roll No.....

Total No. of Printed Pages : 4

Code No. : B02/204

Second Semester Online Examination, May-June, 2022

M. Sc. BOTANY

Paper II

TAXONOMY OF ANGIOSPERM

Time : Three Hours]

[Maximum Marks : 80

Note : Part A and B of each question in each unit consist of 'very short answer type question' which are to be answered in one or two sentences. Part C 'Short answer type' and D 'Long answer type' of each question should be answered within the word limit mentioned.

UNIT-I

1. (A) Define the term flora. **2**
- (B) What do mean by rank of taxa. **2**
- (C) Write a note on taxonomic hierarchy.

(word limit 200-250) 4

OR

Describe taxonomic rank.

- (D) Describe the salient features of International code of Botanical Nomenclature. *(word limit 400-450)* **12**

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OR

Describe herbarium as a taxonomy tools.

UNIT-II

2. (A) What do you mean by phylogenetic system. **2**
- (B) Define Holotype. **2**
- (C) Write the role of cytology in taxonomy.

(word limit 200-250) 4

OR

Give salient features of the Hutchinson classification.

- (D) Write an account on phytochemistry in relation to taxonomy.

(word limit 400-450) 12

OR

Describe Bentham and Hookers system of classification with their merits and demerits.

UNIT-III

3. (A) What is polypetalae ? Give two example of families of polypetalae. **2**

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(B) Give any two floral characters of Magnoliaceae. **2**

(C) Write floral characters of family Mytaceae.
(word limit 200-250) **4**

OR

Describe the economic importance of family Meliaceae.

(D) Describe the family Annonaceae with economic importance.

(word limit 400-450) **12**

OR

Describe the family Lyranthaceae with its economic importance.

UNIT-IV

4. (A) Comment on the inflorescence of Laminaceae. **2**

(B) Write the botanical names of two plants balanging to family cyperaceae. **2**

(C) Write general accounts of family compositance. (word limit 200-250) **4**

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OR

What is monochlamydae ? Describe the inflorescence of Euphorbiaceae.

(D) Describe floral characters and economic importance of family verbinanceae.

(word limit 400-450) **12**

OR

Describe family musaceae and its economic importance.

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