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VA—33—2024

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Third Year) (Fifth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2024

(CBCS/New Pattern)

BOTANY

Paper—XIII

(Systematic Botany—I)

(Friday, 6-12-2024)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) All questions carry equal marks.

(iii) Draw neat and well labelled diagrams wherever necessary.

1. Describe in detail the Family-Combretaceae. 15

Or

Describe in brief :

(a) Role of botanical gardens in plant taxonomy. 8

(b) Molecular systematics. 7

2. Describe in detail the Family-Apocynaceae. 15

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(2)

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Or

Describe in brief :

- (a) Natural classification with reference to Bentham and Hooker. 8
- (b) Phylogenetic classification with reference to Thorne. 7
3. Write short notes on any *two* of the following : 10
- (i) Scope of Angiosperm taxonomy
- (ii) Use of plant identification keys
- (iii) Distinguishing features of Family-Cucurbitaceae
- (iv) Distinguishing features Family-Nyctaginaceae.

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