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NA—33—2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2023

(CBCS/New Pattern)

BOTANY

Paper-XIII

(Systematic Botany-I)

(Saturday, 9-12-2023)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

- N.B. :-*
- (i) Attempt *all* questions.
 - (ii) Draw well labelled diagrams wherever necessary.

1. Describe in detail natural system of classification with reference to Bentham and Hooker. 15

Or

Describe in brief :

- (i) Types and uses of plant identification key 8
 - (ii) Flora as a taxonomic tool. 7
2. Describe in detail Family Rubiaceae with reference to general characters, floral formula, floral diagram, systematic position and economic importance. 15

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(2)

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Or

Describe in brief :

- (a) Economic importance of Family Combretaceae 8
- (b) Floral characters of Caesalpiniaceae. 7
3. Write short notes on any *two* of the following : 2×5=10
- (a) Merits and demerits of artificial system of classification
- (b) Importance of molecular systematics
- (c) Floral formula and diagram of Meliaceae
- (d) Economic importance of Verbenaceae.

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