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**NA—48—2023**

**FACULTY OF SCIENCE**

**B.Sc. (First Year) (Second Semester) EXAMINATION**

**NOVEMBER/DECEMBER, 2023**

**(New Pattern)**

**BOTANY**

**Paper-IV**

**(Taxonomy of Angiosperms)**

**(Tuesday, 12-12-2023)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) All questions are compulsory.*

*(ii) Draw neat and well labelled diagrams wherever necessary.*

1. What is Taxonomy ? Give different types of classification with examples. 15

*Or*

Describe in brief :

(a) Principle and rules of ICN 8

(b) Importance of Herbarium and enlist Botanical gardens in India. 7

2. Describe the vegetative and floral characters of family Solanaceae. Give its floral formula and floral diagram. 15

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Or

Describe in brief :

- (a) Types of fruits 8
- (b) Structure of typical flower (*Hibiscus*). 7
3. Write notes on (any *two*) : 10
- (a) Aims of Taxonomy
- (b) Taxonomic ranks
- (c) Structure of Stamen
- (d) Flower of Fabaceae.

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