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**VA—48—2024**

**FACULTY OF SCIENCE**

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

**NOVEMBER/DECEMBER, 2024**

**(New Pattern)**

**BOTANY**

**Paper–IV**

**(Taxonomy of Angiosperms)**

**(Monday, 9-12-2024)**

**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. Describe salient features of Engler and Prantl's system of classification. Add a note on its merits and demerits. 15

*Or*

Describe in brief :

- (a) Aim and principles of taxonomy. 8
- (b) Importance of Herbarium. 7
2. Describe the vegetative and floral characters of family Brassicaceae. Give its floral formula and floral diagram. 15

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Or

Describe in brief :

- |     |                               |    |
|-----|-------------------------------|----|
| (a) | Types of inflorescence.       | 8  |
| (b) | Phylogeny.                    | 7  |
| 3.  | Write notes on (any two) :    | 10 |
| (a) | Rank of taxa.                 |    |
| (b) | Artificial Classification     |    |
| (c) | Simple fruit                  |    |
| (d) | Verticillaster inflorescence. |    |

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