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SA—15—2025

FACULTY OF SCIENCE

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

APRIL/MAY, 2025

BOTANY

Paper—XV

(Systematic Botany—II)

(Friday, 11-4-2025)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :- (i) Attempt *all* questions

(ii) Draw neat and well labelled diagram wherever necessary.

1. Describe in detail general characters of family Zingiberaceae with floral formula and floral diagram. 15

Or

Describe in brief :

- (a) Pollen grain of Ipomoea 8
- (b) Role of phytochemistry in relation to taxonomy 7

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(2)

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2. Describe in detail general characters of family Cyperaceae with floral formula and floral diagram. 15

Or

Describe in brief :

- (a) Pteridosperm theory of origin of Angiosperms 8
- (b) Bennettilalean theory of origin of Angiosperms 7
3. Write short notes on any *two* of the following : 10
- (1) Economic importance of Musaceae
- (2) Floral characters of Commelinaceae
- (3) Author citation
- (4) Time of origin of Angiosperm

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