

This question paper contains 2 printed pages]

VA—15—2024

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2024

(CBCS/New Pattern)

BOTANY

Paper—XV

(Systematic Botany-II)

(Tuesday, 3-12-2024)

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 diagrams wherever necessary.

1. Explain in detail general characters of family Cannaceae with floral formula and floral diagram. 15

Or

Explain in brief :

(a) Role of palynology in relation to taxonomy. 8

(b) Pollen grains of grasses. 7

P.T.O.

2. Explain in detail general characters of family Arecaceae with floral formula and floral diagram. 15

Or

Explain in brief :

- (a) Gnetalean theory of origin of Angiosperms. 8
- (b) Bennettitalean theory of origin of Angiosperms. 7
3. Write short notes on any *two* of the following : 10
- (a) Economic importance of Zingiberaceae.
- (b) Floral characters of Cyperaceae.
- (c) Biological species concept.
- (d) Time of origin of Angiosperms.