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PA—28—2024

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2024

(New Course)

BOTANY

Paper—VI

(Plant Anatomy)

(Saturday, 13-04-2024)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt *all* questions.

(ii) Figures to the right indicate full marks.

(iii) Illustrate your answer with suitable diagram, scheme etc.

1. Describe the organization of shoot apical meristem. 15

Or

Write notes on :

(i) Phloem 8

(ii) Oil glands and hydathodes 7

P.T.O.

WT

(2)

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2. Describe the stem anatomy of dicotyledonous plant. 15

Or

Write notes on :

(i) Normal secondary growth in stem of dicotyledons. 8

(ii) Anomalous secondary growth in Bignonia stem. 7

3. Write short notes on (any *two*) : 10

(i) Tunica corpus theory

(ii) Collenchyma

(iii) Primary growth in roots of plants

(iv) Economic importance of wood.

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