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VA—28—2024

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2024

(New Pattern)

BOTANY

Paper—VI

(Plant Anatomy)

(Thursday, 5-12-2024)

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

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Draw well labelled diagrams wherever necessary.

1. Define complex tissue. Explain in detail an account of xylem. 15

Or

Write notes on :

(a) Shoot apical meristem 8

(b) Histogen theory. 7

2. Describe the anatomical structure of Dicotyledons stem (Sunflower). 15

P.T.O.

WT

(2)

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Or

Write notes on :

- | | | |
|-------|--|----|
| (a) | Anomalous secondary growth in <i>Mirabilis</i> stem. | 8 |
| (b) | Economical importance of wood. | 7 |
| 3. | Write short notes on (any <i>two</i>) : | 10 |
| (i) | Scope of Anatomy | |
| (ii) | Parenchyma | |
| (iii) | Types of vascular bundles | |
| (iv) | Rhytidomes. | |

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