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**SA—28—2025**

**FACULTY OF SCIENCE**

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

**MARCH/APRIL, 2025**

**BOTANY**

**Paper—VI**

**(Plant Anatomy)**

**(Tuesday, 15-4-2025)**

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

*Time—2 Hours*

*Maximum Marks—40*

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

(ii) Illustrate your answers with suitable labelled diagrams wherever necessary.

1. Describe in detail the secondary growth in Bignonia. 15

*Or*

Explain in brief :

(a) Anatomy of monocot leaf. 8

(b) Types of vascular bundles. 7

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2. What is simple tissue ? Describe the types of parenchyma and collenchyma.

15

*Or*

Write in brief :

(a) Organization of shoot apical meristem 8

(b) Tunica corpus theory. 7

3. Attempt any *two* out of the four (each of **5** marks) : 10

(a) Scope of plant anatomy

(b) Hydathodes

(c) Primary growth in roots

(d) Heart wood and Sap wood.

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