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GA—41—2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2023

(New Course)

BOTANY

Paper-VI

(Plant Anatomy)

(Friday, 28-4-2023)

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

Time—Two Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Figures to the right indicate full marks.

(iii) Illustrate your answers with suitable diagrams scheme etc.

1. Describe the classification of meristem based on origin, function, position and development. 15

Or

Write notes on :

(i) Xylem 8

(ii) Laticiferous tissue. 7

2. Describe the internal leaf structure of monocotyledonous plant. 15

Or

Write notes on :

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

(ii) Anomalous secondary growth in *Achyranthes* stem. 7

P.T.O.

WT

(2)

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

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- (i) Histogen theory
- (ii) Parenchyma
- (iii) Types of vascular bundles
- (iv) Economic importance of wood.

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