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SB—79—2022

FACULTY OF SCIENCE

B.Sc. (Third Semester) EXAMINATION

MAY/JUNE, 2022

(New Course)

BOTANY

Paper-VII

(Plant Physiology and Biochemistry)

(Tuesday, 14-06-2022)

Time : 2.00 p.m. to 4.30 p.m.

Time— 2½ Hours

Maximum Marks—40

- N.B. :—*
- (i) Attempt *all* questions.
 - (ii) Figures to the right indicate full marks.
 - (iii) Draw neat and well labelled diagrams wherever necessary.

1. What is ascent of sap ? Describe transpiration pull theory. 15

Or

(a) Active absorption of Minerals. 8

(b) Classification of Plant Movements. 7

2. What are carbohydrates ? Add a note on monosaccharides. 15

Or

(a) Application of Cytokinins. 8

(b) Methods of Breaking Seed Dormancy. 7

P.T.O.

WT

(2)

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

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- (a) Chemotropism
- (b) Application of Auxins
- (c) Role of zinc in Plant Nutrition
- (d) Functions of Cellulose.

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