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SB—37—2022

FACULTY OF SCIENCE

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

JUNE/JULY, 2022

(CBCS/Old Pattern)

BOTANY

Paper XII

(Plant Physiology)

(Friday, 10-6-2022)

Time : 10.00 a.m. to 12.30 p.m.

Time—2½ Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Draw neat and well labelled diagram wherever necessary.

1. What is transpiration ? Describe mechanism of opening and closing of stomata. 15

Or

(a) Munch's mass flow hypothesis 8

(b) Ion exchange theory. 7

2. What are plant growth regulators ? Describe practical applications of Auxins and Gibberellins. 15

Or

(a) Biological functions of starch and cellulose 8

(b) What are lipids ? Describe the structure of lipids. 7

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

(a) Osmosis

(b) Carrier concept theory

(c) Arc indicator

(d) Monosaccharides.

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