

This question paper contains 2 printed pages]

GA—64—2023

FACULTY OF SCIENCE

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

APRIL/MAY, 2023

(New Pattern)

BOTANY

Paper-VII

(Plant Physiology and Bio-chemistry)

(Tuesday, 2-5-2023)

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

Time—Two Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Draw well labelled diagrams wherever necessary.

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

Or

Write in brief :

(a) Munch's mass flow hypothesis 8

(b) Carrier concept theory. 7

2. Define seed dormancy. Describe in detail causes of seed dormancy and methods of breaking seed dormancy. 15

Or

Write in brief :

(a) Biological functions of terpenoids. 8

(b) Practical applications of Gibberellins. 7

P.T.O.

WT

(2)

GA—64—2023

3. Write short notes on any *two* of the following :

10

- (a) Osmosis
- (b) Deficiency symptoms of nitrogen
- (c) SDP and LDP
- (d) Quaternary structure of protein.

GA—64—2023

2