

This question paper contains 2 printed pages]

NA—46—2023

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2023

(New Pattern)

BOTANY

Paper—VII

(Plant Physiology and Biochemistry)

(Monday, 11-12-2023)

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

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Draw well labelled diagrams wherever necessary.

1. What is translocation of organic solutes ? Describe in detail munch-mass flow hypothesis. 15

Or

Write in brief :

(a) Starch-sugar theory 8

(b) Osmosis and plasmolysis. 7

2. Define plant growth hormones. Describe practical applications of Cytokinins and Gibberellins. 15

P.T.O.

WT

(2)

NA—46—2023

Or

- (a) Biological functions of Flavonoids. 8
- (b) Types and mechanism of seed germination. 7
3. Write short notes on any *two* of the following : 10
- (a) Plasmolysis
- (b) Deficiency symptoms of Cu and Zn
- (c) Phases of Growth
- (d) Biological functions of essential oils.

NA—46—2023

2