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AR-18

Total Number of Pages : 1

M.SC

M.Sc 3<sup>rd</sup> SEMESTER REGULAR EXAMINATIONS, NOV/DEC 2019-20

Subject code: P-732

Subject: PLANT PHYSIOLOGY

Time: 2 Hours

Max Marks: 40

The figures in the right hand margin indicate marks.

SECTION – A

Q1

- a) Explain the mechanism of Stomatal Movement, through the different theories you have studied. 14

OR

Write notes on any 2 of the following (2×7=14)

- b) Water Potential
- c) Active Ion transport
- d) Phloem Loading & Unloading

Q2

- a) Give an account of the Signal Transduction mechanism in plants. 13

OR

Write notes on any 2 of the following (2×6.5=13)

- b) Phytochromes
- c) Plant Signal Receptors
- d) Calcium based signaling

Q3

- a) Describe the mechanism of Light absorption and electron flow in Chloroplasts. 13

OR

Write notes on any 2 of the following (2×6.5=13)

- b) CAM
- c) C<sub>4</sub> Carbon fixation
- d) Photorespiration