

B.Sc. SEM-V (Hons.) Examination-2021(CBCS)

Subject- Botany

Paper – CC-11

Plant Physiology

Full Marks –40

Time – 2 hrs

1. Answer any eight questions from the following: - 5x8=40

- A. With suitable diagram comment on Cohesion-Tension theory to describe Ascent of Sap.
- B. Elaborate the Passive absorption mechanism for Nutrient Uptake.
- C. Comment on the chemical nature and function of Cytochromes.
- D. Elaborate – Co-transport, Symport and Antiport with suitable diagram.
- E. Write physiological functions of Brassinosteroids.
- F. Briefly mention the procedure of breaking seed dormancy.
- G. Briefly describe the physiological role of Auxins.
- H. Write names of four micronutrients with their physiological roles and deficiency symptoms.
- I. Write explanatory note on facilitated diffusion with diagram.
- J. Concisely discuss the Pressure-Flow Model with suitable diagram.
