

DR. KANAILAL BHATTACHARYYA COLLEGE

B.Sc. General Examination (CBCS system)– 2021

Practical Examination

Semester-IV

Subject-BOTG

Paper: GE-4/CC-4 (Plant physiology and metabolism)

Time: 1 hour 30 min (2:00 P.M - 3:30 P.M)

Date: 6.8.2021

Full marks-30

Answer **any three** of the following

1. Write the principle and method of “Determination of transpiration rate per unit area by weighing method”. Comment on the expected outcome of this experiment. 3+5+2
2. Write the principle and method of “Evolution of CO₂ during aerobic respiration”. Comment on the expected outcome of this experiment. 3+5+2
3. Write the principle and method of “Rate of imbibition of proteinaceous and fatty seeds”. Comment on the expected outcome of this experiment. 3+5+2
4. Write the principle and method of “Evolution of O₂ during photosynthesis”. Comment on the expected outcome of this experiment. 3+5+2
5. Write the principle and method of “Plasmolysis”. Comment on the expected outcome of this experiment. 3+5+2