

Vidyasagar University

Midnapore : 721102

M.Sc. : 3rd Semester Practical Examination, 2011.

S u b j e c t : Botany

P a p e r : 305 (UNIT-I)

Full Marks : 30

Time : 3 h

PLANT PHYSIOLOGY AND BIOCHEMISTRY

Perform the experiments (Q. Nos. 1 to 6) as indicated by tick (✓)

Requisition : 2, Results and calculation : 6, Comment : 2

1. Evaluate the viability percentage of the supplied seed sample **C, D and E**.
2. Compare the level of total chlorophyll present in the supplied mature and old) leaves of a plant.
3. Compare the activities of the enzyme amylase from the samples **F and G**.
4. Measure the concentration of the supplied amino acid sample **I** with the help of a standard curve.
5. Estimate the concentration of the supplied Protein samples with the help of a standard curve.
6. Colorimetrically estimate the concentration of glucose in the **L and M** using a standard curve.
7. Practical Note Book.
8. Viva – Voce.