

B.Sc. Biotechnology - 6th Sem.

(2720)

Paper: BT-6

Biophysical & Biochemical Techniques-B

Time Allowed: 2 hrs.

Max. Marks: 40

Note: Attempt any four questions. All questions are of equal marks.

1. Write a detailed note on MALDI-TOF.
2. How Mass Spectroscopy is used for Qualitative and Quantitative determination of biomolecule.
3. Discuss SDS-PAGE and its application.
4. Discuss following:
 - (i) Solublizer in electrophoreses
 - ii) Free Radical Catalysis
5. Discuss IEF. Explain how pH of protein buffer affect net charge on Protein.
6. Discuss Capillary Electrophoresis and its different types.
7. Give Detailed account of Liquid Scintillation Counting.
8. Explain Following:-
 - (i) Ionization Chamber
 - (ii) Photographic Method of Radiation Counting
