

5. Describe capillary electrophoresis and its type to suit different application.
6. How proteins are studied using 2D- electrophoresis ?
7. Give a detailed account of Scintillation counter. Discuss its instrument, working and application.
8. Describe :
 - (a) Different type of radioactive decay
 - (b) Common Radioisotopes used in biological studies with application.

Exam. Code : 107406

Subject Code : 1789

B.Sc. (Bio Technology) 6th Semester
BIOPHYSICAL AND BIOCHEMICAL
TECHNIQUES-B
Paper : BT-6

Time Allowed—2 Hours] [Maximum Marks—40

Note :—There are **EIGHT** questions of equal marks.
Candidates are required to attempt any **FOUR** questions.

1. Discuss MALDI-TOF and its role in qualitative and quantitative analysis of biomolecule.
2. Discuss the different Mass analyzer used in MS.
3. Describe Discontinues PAGE, how it differ from Continuous PAGE.
4. Discuss :
 - (a) Factor affecting electrophoretic mobility
 - (b) Solubilizer used in PAGE.