Roll No.

Total No. of Pages: 01

Total No. of Questions: 08

M.Sc. MLS (Bio Chemistry) (2018 Batch) (Sem.-2)
BIOCHEMICAL TECHNIQUES

Subject Code: MMLT-201-18 M.Code: 76189

Time: 3 Hrs. Max. Marks: 75

INSTRUCTIONS TO CANDIDATES:

- 1. Attempt any FIVE questions out of EIGHT question.
- 2. Each question carry FIFTEEN marks.
- 1) a) Describe in detail the basic principle and process of density gradient centrifugation.
 - b) Write a short note on gas chromatography.
- 2) What is the importance of radioactivity? Discuss in detail the solid and liquid scintillation counter.
- 3) a) Discuss the principle and applications of pulse field gel electrophoresis.
 - b) Write a short note on electroporation.
- 4) Explain the basic principle and technique of Flow cytometer.
- 5) What is Beer-Lambert's law? Explain linearity of graph and discuss its applications.
- 6) Write notes on:
 - a) Immuno-affinity
 - b) GM counter
- 7) Discuss principle and technique of molecular exclusion chromatography alongwith its applications.
- 8) What is iso-electric focusing? Discuss principle and technique of SDS-PAGE.

NOTE: Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.

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