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Total No. of Pages : 01

Total No. of Questions : 08

M.Sc. MLT(Biochemistry) (2015 to 2017) (Sem.-2)**PRINCIPLES OF BIOCHEMISTRY****Subject Code : MMLT-201****Paper ID : [E1236]****Time : 3 Hrs.****Max. Marks : 100****INSTRUCTION TO CANDIDATES :**

1. Attempt any FIVE questions.
2. Each question carries TWENTY marks.

- 1) Write a detailed note on partition chromatography.
- 2) Write short notes on :
 - a) RNA probes.
 - b) Agarose gel electrophoresis
- 3) What is isoelectric point? Discuss two dimensional electrophoresis.
- 4) Describe in detail various blotting techniques.
- 5) Discuss the technique of protein mass determination by mass spectrometry.
- 6) Write notes on :
 - a) Separation of bio-molecules by Ultracentrifugation.
 - b) Flame photometry.
- 7)
 - a) Discuss in detail the three dimensional structure of proteins.
 - b) Write a short note on applications of fluorimetry.
- 8) Write a detailed note on X- ray crystallography.