

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2018 Batch) (Sem.-3)

ANALYTICAL BIOCHEMISTRY

Subject Code : BMLS302-18

M.Code : 76631

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1) Write briefly :**

- a) Give applications of thin layer chromatography.
- b) What is a Lambert's Law?
- c) Which technique is used to measure Na^+ and K^+ in serum or plasma?
- d) Define kinetic analysis.
- e) Which bulb is used in spectrophotometer?
- f) What is a transmittance?
- g) What are different supporting medium used for electrophoresis?
- h) What are different phases in chromatography?
- i) Explain the term ground state of an atom.
- j) What is the full form of PAGE?

SECTION-B

- 2) What is flame photometry? What are its applications and limitations?
- 3) Discuss the applications of colorimetry and spectrophotometry.
- 4) Write short note on ion exchangers.
- 5) Describe the principle, method and application of gel chromatography.
- 6) What is agarose gel electrophoresis and what are its applications?

SECTION-C

- 7) Give the principle, instrumentation and applications of column chromatography.
- 8) Explain the principle and instrumentation of a spectrophotometer. List some of its merits.
- 9) Write a detailed note on atomic absorption spectroscopy.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.