Roll No. | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 18

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

Write briefly :

1) Give applications of column chromatography.

2) What is a Beer's Law?

3) Which technique is used to measure Na^+ and K^+ in serum or plasma?

4) Define kinetic analysis.

5) Which bulb is used in colorimeter?

6) What is a absorbance?

7) What are different supporting medium used for electrophoresis?

8) What are different phases in chromatography?

9) Explain the term excited state of an atom.

10) Why we spray the sample in flame photometry?

SECTION-B

11) Discuss the experimental technique and limitations of HPLC.

12) Discuss the principle and applications of atomic absorption spectroscopy.

13) Write short note on urine electrophoresis.

14) Describe the principle, method and application of gas chromatography.

15) Discuss the theory and procedure for immuno-electrophoresis? Give its various advantages.

SECTION-C

16) Give the principle, instrumentation and applications of ion exchange chromatography.

17) Explain the theory and instrumentation of a colorimeter. List some of its merits and demerits.

18) Write a detailed note on principle and applications of flame photometer.

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.