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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) What is Beer-Lambert's Law?
- 2) What is the principle of flame photometry?
- 3) What is R_f value?
- 4) What is the principle of High Performance Liquid Chromatography?
- 5) Give any four applications of paper chromatography.
- 6) Give principle of gel chromatography.
- 7) What is colorimetry?
- 8) Give examples of ion-exchangers.
- 9) What are limitations of flame photometry?
- 10) What are nebulizers?

SECTION-B

- 11) Give principle and instrumentation of atomic absorption spectroscopy.
- 12) Write a note on thin layer chromatography.
- 13) Write a note on various detectors used in Gas Chromatography.
- 14) Write a note on paper electrophoresis.
- 15) Give principle and applications of column chromatography.

SECTION-C

- 16) Give instrumentation and applications of high performance liquid chromatography.
- 17) What are types of paper chromatography? Give details of qualitative and quantitative analysis through paper chromatography.
- 18) Give principle, instrumentation and applications of gel electrophoresis.

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.