

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Sc. (MLS) (2018 & Onwards) (Sem.-1)

BASIC OF BIOCHEMISTRY

Subject Code : BMLS-103-18

M.Code : 75260

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

Answer briefly :

- 1) What is the formula for calculating strength of an acid?
- 2) What is a molar solution?
- 3) Discuss how we store corrosive chemicals.
- 4) Write down Vant Hoff's equation.
- 5) What is distillation of water?
- 6) Define ionic strength of a solution.
- 7) Define the use of cylinders in a clinical lab.
- 8) How we calibrate pH meter?
- 9) Why are indicators used in titration?
- 10) What is a working solution?

SECTION-B

- 11) What is osmosis? Discuss various types and its applications.
- 12) Write a short note on methods of pH measurement.
- 13) Give the brief account of the various safety guidelines to be observed in a clinical lab.
- 14) What are different steps involved in cleaning of soda lime glassware? Give the composition of the cleaning solution.
- 15) Write short note on :
 - a) Calibration of burettes.
 - b) Ethics and responsibility of Medical lab technologist.

SECTION-C

- 16) Give the principle and working of a water distillation plant. Discuss how it is stored?
- 17) With the help of suitable examples explain the terms normality and molality?
- 18) Describe the principle, working and maintenance of an analytical balance.

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.