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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2014 to 2017) (Sem.-1)**BASICS OF BIOCHEMISTRY**

Subject Code : BMLS-105

M.Code : 48050

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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) Answer briefly :**

- a) Why should infected glass wares be sterilized before use?
- b) What is N/10 HCl solution?
- c) What is a buffer?
- d) What is S.I. unit of mass, time and length?
- e) What is a primary standard?
- f) What do you mean by C.G.S units of measurement?
- g) Describe various parts of an analytical balance.
- h) How to dry glassware?
- i) How we calibrate pH meter?
- j) What is Vant Hoff's equation?

SECTION-B

- 2) Explain the basic technique of storage of chemicals.
- 3) Write short note on care and maintenance of analytical balance.
- 4) Differentiate endosmosis from ex-osmosis.
- 5) What steps are involved in the calibration of burettes?
- 6) Write short note on the responsibilities of the medical lab technologist.

SECTION-C

- 7) Discuss what are normal and molar solutions? How is standard solution prepared?
- 8) Explain the method of preparation of distilled water and its storage.
- 9) Write down the steps involved in the preparation of chromic acid solution for washing purposes in biochemistry lab.

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.