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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (Sem.-1)
BASICS OF BIOCHEMISTRY

Subject Code : BMLS-103-18

M.Code : 75260

Date of Examination: 23-06-2025

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. Answer briefly:

- a) What is the role of medical lab technologist?
- b) What is CGS unit system?
- c) What is the role of soda lime glass?
- d) How will you store distilled water?
- e) What is molarity?
- f) What is molecular weight?
- g) Define pH.
- h) What is pH paper?
- i) Give examples of pH indicators.
- j) What is volumetric analysis?

SECTION - B

2. Discuss the safety measures and first aid in medical lab technology.
3. Write a note on steps involved in cleaning borosil glass.
4. Discuss various types of water distillation plants.
5. Discuss calibration of pipettes and cylinders.
6. Write a detailed note on Henderson-Hasselbach equation.

SECTION - C

7. Discuss principle, working, maintenance and calibration of pH meter.
8. Write an exhaustive note on methods of preparation of distilled water.
9. **Write in brief about:**
 - a) Preparation of distilled water.
 - b) Preparation of normal and molar solutions.

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.