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Total No. of Pages : 02

Total No. of Questions : 09

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

Subject Code : BMLS-103-18

M.Code : 75260

Date of Examination : 14-01-2023

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) Define S.I units.
- b) Give various types of solutions.
- c) Give importance of the pH.
- d) Define first aid.
- e) What is N/20 HCl solution?
- f) Why should infected glass wares be sterilized before use?
- g) Define mole.
- h) What is the role of indicator in volumetric analysis?
- i) Define end point.
- j) For colorless solutions which meniscus should be observed?

SECTION-B

2. Why the cleaning of glass-ware is very important?
3. Explain the working and principles of pH meter.
4. Explain the basic technique of storage of chemicals.
5. Write short note on care and maintenance of analytical balance.
6. What are S.I. and derived units and give S.I. units of the litre, Gram, mole and meter.

SECTION-C

7. Discuss about Henderson Hasselbalch equation and pH indicator.
8. Write about normal and molar solutions. How is standard solution prepared?
9. Explain the method of preparation of distilled water and its storage.

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.