

QP Code: 101383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
August 2022
(Biochemistry)**

Paper I - General Biochemistry & Chemistry of Biomolecules

Time: 3 hrs.

Max. marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays:

(10x10=100)

1. Explain different methods of purification of water.
2. What is chromatography. Write in detail about different types of chromatography. (3+7)
3. Write about anticoagulants and preservatives used in biochemistry lab.
4. Principle and parts of pH meter. (2+8)
5. What are radioisotopes. Write in detail about their application in medicine. (2+8)
6. Classification of amino acids.
7. Write in detail about different transport mechanisms across biological membranes.
8. What are biosensors. Write in detail about their use in lab diagnosis. (3+7)
9. What are phospholipids. Write in brief about various phospholipase in body system. (3+7)
10. Explain Watson and Crick model of DNA structure. Mention how DNA is organized in the nucleus.
