

QP Code: 101383

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations December 2025
(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. Discuss the colour coding of various collection tubes for phlebotomy. What is the recommended order of draw for multiple specimen collection. (5+5)
2. Discuss the various biological hazards in the laboratory and measures to minimise its exposure. (3+7)
3. Classify proteins based on function and based on nutritional value. (7+3)
4. Discuss the various glycosaminoglycans.
5. Discuss the applications of radioactivity for diagnosis.
6. What are the different mechanisms of hemolysis interference of blood samples.
7. Explain the basic components of a spectrophotometer with suitable diagram.
8. Discuss about capillary electrophoresis.
9. Describe the various subcellular organelles.
10. Biological buffers.
