

QP Code: 101384

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations January 2025
(Pathology)**

Paper I - Hematology

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 table/diagrams/flow charts wherever necessary*

Essays:

(10x10=100)

1. Define Anaemia. Describe the Lab investigations in Iron deficiency anaemia.
2. Investigations for Haemorrhagic disorder.
3. Discuss about uses of Flow cytometry in haematology.
4. Lab diagnosis of malaria.
5. Discuss about Manual and Automated Reticulocyte count.
6. Explain High Performance Liquid Chromatography and its applications in haematology.
7. Explain histograms and scatter plots in automated cell counters.
8. Describe the principle of vacutainer. Enumerate the different colour codes of Vacutainer tubes and its uses.
9. Chronic myeloid leukemia.
10. What is Romanowsky stain. Discuss the preparation of Leishmann stain and Giemsa stain and compare them.
