

QP Code: 101384

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations January 2023
(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. Explain high performance liquid chromatography and its applications in haematology.
2. Explain flow cytometry and its applications in haematology.
3. Explain the role of blood vessel in the regulation of haemostasis.
4. Describe autoimmune haemolytic anaemia and its laboratory diagnosis.
5. Discuss about Lupus anticoagulant and its clinical importance.
6. Discuss the preparation and the importance of peripheral blood smear examination.
7. Processing of bone marrow trephine biopsy specimens.
8. Applications of molecular biology in leukaemia.
9. Explain leukocyte cytochemistry.
10. Describe trouble shooting of haematology analysers.
