

QP Code: 101384

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations October 2021
(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 the laboratory tests for the differential diagnosis of hypochromic microcytic anaemia.
2. Laboratory diagnosis of haemoglobinopathies.
3. Classification of acute leukemias.
4. Applications of Perl's staining in haematology.
5. Explain fibrinolytic system and its disorders.
6. Applications of PCR in haematology.
7. Haematopoietic growth factors and their clinical importance.
8. Describe the functions of platelets. Discuss various platelet disorders.
9. Explain the principle of flow cytometry and its uses in haematology.
10. Explain histograms and scatterplots in automated cell counters
