

QP Code: 101384

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
October 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 laboratory control of oral anticoagulant therapy.
2. Enumerate hemoparasites. Explain lab diagnosis of malaria.
3. Define and classify anemia.
4. Define Romanowsky stains. Describe the components and preparation of Leishman stain.
5. Explain the stages of ESR. Describe various methods of estimation of ESR.
6. Role of cytochemistry in leukemias.
7. Describe the types and principle of automated haematology analyser. Add a note on advantages and sources of error.
8. Discuss about use of flow cytometry in hematology.
9. Explain the etiology and laboratory diagnosis of megaloblastic anemia.
10. Erythrocyte indices in haematology.
