

QP Code: 101384

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
August 2022
(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. Describe anticoagulants used in hematology. What are the effects of storage of blood on cell count and morphology
2. Describe methods used for diagnosis of parasites detectable in blood.
3. Explain the use of High Performance Liquid Chromatography (HPLC) in investigation of hemoglobinopathy.
4. Discuss the cytochemical tests for granulocytic leucocytes.
5. Describe the components of normal hemostasis.
6. Explain the action of Romanowsky stains. Describe various Romanowsky stains.
7. Describe tests used in the investigation of G6PD deficiency.
8. Explain the calibration of automated cell counters.
9. Describe the processing and staining of bone marrow trephine biopsy specimens.
10. Discuss the laboratory investigation of suspected platelet dysfunction.
