

QP Code: 101384

Reg. No.....

**First Year M.Sc. MLT Degree Examinations November 2018
(Pathology)**

Paper I - Hematology

Time: 3 hrs.

Max. marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays:

(10x10=100)

1. Define anaemia. Describe the laboratory tests to be done in an anaemic patient.
2. Describe the various red cell indices and their uses
3. Describe the lab tests done in a patient with bleeding disorder
4. Discuss the role of automation in haematology
5. Discuss the role of cytochemistry in the classification of leukaemia
6. Discuss the preparation of Leishman's stain and Geimsa stain and compare them
7. Discuss the uses of PCR and DNA flow cytometry in haematology
8. Discuss the processing and preparation of bone marrow trephine biopsy
9. Discuss the red cell membrane structure and the red cell enzymes
10. Describe the lab tests for diagnosis of haemoglobinopathies
