

QP Code : 101384

Reg . No.....

**First Year M.Sc. MLT Degree Examinations – October 2014
(Pathology)**

PAPER – I HAEMATOLOGY

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Define anaemia. Describe the laboratory diagnosis of megaloblastic anaemia
2. Explain cytochemistry of acute leukaemias
3. Discuss the care and calibration of hematology analyzers
4. Describe the applications of flow cytometry in haematology
5. Discuss the haemoglobin electrophoresis
6. Explain alkaline phosphatase - anti-alkaline phosphatase technique
7. Describe the lab investigations in the diagnosis of a hypercoagulable state.
8. Describe iron metabolism in the bone marrow
9. Explain the antenatal diagnosis of haemoglobinopathy
10. Discuss the principles of various coagulation tests
