

QP Code : 101384

Reg . No.....

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

PAPER – I HAEMATOLOGY

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Describe the bone marrow aspiration technique and evaluation of the smear
2. Define and classify thalassemia. Discuss its pathogenesis and laboratory diagnosis
3. Discuss the erythrocyte sedimentation rate
4. Describe the cytochemical stains in the diagnosis of leukemia
5. Describe the laboratory tests in the evaluation of thrombotic diseases
6. Explain the methods of haemoglobin estimation
7. Discuss the principles and application of polymerase chain reaction in haematology
8. Mention the universal precautions while handling blood products. Add a note on needle stick injuries
9. Discuss immunophenotyping of leukemias
10. Explain the electron microscopy with emphasis on principle and its applications
