

QP Code : 101384

Reg . No.....

**First Year M.Sc. MLT Degree Examinations – November 2015
(Pathology)**

PAPER – I HAEMATOLOGY

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Define anaemia. Discuss the aetiology and laboratory investigations of megaloblastic anaemia.
2. Describe erythropoiesis.
3. Discuss the pathogenesis and clinical features of DIC
4. Describe leukemoid reactions and add a note on differential diagnosis.
5. Explain the tests for G₆PD deficiency.
6. Explain the indications for bone marrow aspiration. Add a note on testing bone marrow iron status.
7. What are Romanowsky stains and mention the stains of this group. Discuss the method of staining for bone marrow aspirate.
8. Explain the principle of flow cytometry and mention its uses.
9. Red cell indices with its clinical significance.
10. Classify myeloproliferative disorders. Add a note on philadelphia chromosome.
