

**QP CODE: 205012**

**Reg No:.....**

**Second Year B.Sc MLT Degree Supplementary Examinations, June 2013**

**HAEMATOLOGY-II AND CLINICAL PATHOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Define and classify anemia. Explain the blood and bone marrow findings in iron deficiency anemia (2+3+5=10)
2. Mention the various coagulation tests. Explain the methodology of three basic coagulation tests. Enumerate the coagulation disorders. Describe briefly the diagnosis of the most common hereditary coagulation disorder (2+3+2+3=10)

**Short notes**

**(10x5=50)**

3. Physical examination of urine
4. Microscopic examination of urine
5. Osmotic fragility test- method and interpretation
6. Examination of stool for parasites
7. Enumerate the tests done before bone marrow transplantation
8. Beta thalassemia
9. Laboratory diagnosis of megaloblastic anemia
10. FAB classification of leukaemia
11. Diagnosis of infectious mononucleosis
12. Types of blood smears and their uses

**Answer briefly**

**(10x3=30)**

13. Detection of Bence-Jones proteins in urine
14. Significance of RBC anisocytosis
15. Ehrlich's test
16. Target cells
17. Sudan black 8 stain
18. LE cell
19. Kleihauer test
20. Detection of blood in urine
21. 5 part blood cell counter
22. Reticulocyte count

\*\*\*\*\*