

**QP CODE: 205012**

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

**Second Year B.Sc - MLT Degree Examinations, October 2012  
HAEMATOLOGY-II AND CLINICAL PATHOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Define leukemia. Classify it according to the FAB . Explain the blood picture in acute myelomonocytic leukemia. Discuss the cytochemistry of acute myeloid leukemia  
(1+2+3+4=10)
2. Define and classify hemolytic anemia. Enumerate the tests used in the diagnosis of hemolytic anemia. Describe briefly the blood picture in a hemolytic anemia.  
(1+4+3+2=10)

**Short notes**

**(10x5=50)**

3. Morphological abnormalities of spermatozoa
4. Examination of synovial fluid
5. Pregnancy tests
6. Stool concentration methods
7. Haemoglobinopathy
8. Principles of a blood cell counter
9. Laboratory diagnosis of iron deficiency anemia
10. Identification of Parasites in Blood and Bone marrow smear
11. Atypical lymphocytes
12. Laboratory parameters in Haemophilia

**Answer briefly**

**(10x3=30)**

13. Detection of bile salts in urine
14. Significance of RBC poikilocytosis
15. Pigments in urine
16. Specific gravity of urine
17. Neutrophilia
18. Platelet function tests
19. Methods of collection of Sputum
20. Urinary casts
21. Perl's stain
22. Thick blood smears

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