

QP CODE: 105012

Reg No:.....

First B.Sc MLT Degree Examinations, September 2014

BASIC MEDICAL LABORATORY SCIENCE & HAEMATOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss in detail the role of the laboratory in the health care system in our state.
2. Mention the different types of automated cell counters. What are the principles, advantages and disadvantages of these types. What are the blood parameters obtained from these cell counters.

Short notes

(10x5=50)

3. Methods of hemoglobin estimation
4. Romanowsky stains
5. Care and safe use of the microscope
6. First aid in the laboratory
7. Abnormal cells in a blood smear
8. Reticulocyte count
9. Megakaryocyte
10. Stages of myeloid cell maturation in the bone marrow
11. Preparation of different types of smears with peripheral blood
12. ESR

Answer briefly

(10x3=30)

13. Heparin
14. Micrometry.
15. Absolute eosinophil count
16. Oxalates in hematology
17. Heat resistant glassware
18. Mean corpuscular volume
19. Brilliant cresyl blue
20. Uses of RBC pipette
21. Resolution of a microscope
22. Turk's fluid
