

QP CODE: 105012

Reg No:.....

First Year B.Sc MLT Degree Supplementary Examinations, April 2015

BASIC MEDICAL LABORATORY SCIENCE & HAEMATOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Describe the preparation and staining of thin, thick, wet peripheral smears and buffy coat smear. Explain the advantage of each one.
2. Describe the composition, function, preparation and storage of diluting fluids used for WBC and platelet counts.

Short notes

(10x5=50)

3. Biomedical waste management
4. Preparation of cleaning solutions for lab wares
5. Morphology of different WBCs in peripheral blood
6. Methods of hemoglobin estimation
7. Automatic blood cell counters
8. Regulation of erythropoiesis
9. Preparation and use of brilliant cresyl blue & new methylene blue stains
10. Absolute eosinophil count
11. factors affecting ESR
12. Red cell indices- importance

Answer briefly

(10x3=30)

13. Micrometry
14. Fate of RBC's
15. Capillary blood collection
16. Improved Neubauer counting chamber
17. Uses of anti coagulants
18. Thrombocytopenia
19. Eosinophilia -definition and causes
20. Indications of bone marrow aspiration
21. Parameters in complete blood count(CBC)
22. Staining of bone marrow smears
