

First Year B.Sc MLT Degree Supplementary Examinations March 2018

Basic Medical Laboratory Sciences & Hematology

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all questions.
- Draw diagrams wherever necessary.

Essay

(2x10=20)

1. Name the different methods of ESR estimation. Discuss the technique, advantages and disadvantages of each method. (2+8)
2. What are anticoagulants. Discuss their function and uses. (2+8)

Short notes

(10x5=50)

3. Electron microscope
4. Biohazards in laboratory
5. Total WBC count
6. Abnormal haemoglobins
7. Complete blood count from blood cell analyzers
8. Thick smear
9. Cyan meth hemoglobin method
10. Record keeping in medical laboratory
11. Supra vital staining
12. Morphologic study and indications for bone marrow examination.

Answer briefly

(10x3=30)

13. Blast cell
14. Buffy coat smears
15. Absolute eosinophil count.
16. Waste disposal in a medical laboratory
17. Leishman stain
18. Glassware cleaning
19. Organ transplantation
20. Micrometry
21. PCV
22. Megakaryocyte