

Second Year B.Sc MLT Degree Supplementary Examinations June 2024

Haematology II and Clinical Pathology

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*
- *Draw Diagrams wherever necessary.*

Essays

(2x10=20)

1. Define Hemostasis. Enumerate the coagulation factors and describe the coagulation cascade
2. Enumerate the abnormal chemical constituents of Urine and write briefly on its detection methods

Short notes

(10x5=50)

3. Describe Urine microscopy
4. Pathophysiology and Lab diagnosis of Sickle cell anaemia
5. Activated partial thromboplastin time
6. Hemophilia - Mode of inheritance, Clinical features and lab diagnosis
7. Periodic acid Schiff Stain
8. Hams test
9. CSF examination
10. Sputum AFB Staining
11. Normal and abnormal Sperm morphology
12. Urine preservatives

Answer briefly

(10x3=30)

13. Philadelphia chromosome
14. Blood findings in Acute and Chronic Leukemia
15. Diagrammatically represent parasites in Stool.
16. Semen collection and chemical examination
17. Myeloperoxidase staining
18. Urine pregnancy test
19. Automated blood cell counter
20. Stool concentration methods
21. Diagrammatically represent stages of Leukopoiesis
22. Transudate and exudate
