

Second Year B.Sc MLT Degree Supplementary Examinations July 2025

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 anemias. Describe the lab diagnosis, blood and bone marrow findings in megaloblastic anemia
2. What are Romanowsky stains. Name five Romanowsky stains. Write the components and principle of Leishman staining

Short notes

(10x5=50)

3. Automated blood cell counters
4. Pathophysiology and Lab diagnosis of Sickle cell anaemia
5. Prothrombin time
6. Transudate and exudate
7. Perl's Staining and its utility
8. Platelet function tests
9. CSF examination
10. Dipstick in urine analysis
11. Semen collection and microscopic examination
12. Peripheral blood smear and bone marrow findings in CML

Answer briefly

(10x3=30)

13. Mention Urinary casts and crystals
14. Four causes of eosinophilia
15. Bence Jones proteins
16. Myeloperoxidase staining
17. Anticoagulants used in hematology
18. LD bodies
19. Define disseminated intravascular coagulation. Name two causes of DIC
20. Hb F
21. Stool occult blood
22. Examination of pleural fluid
