

QP CODE: 205012

Reg. No:.....

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations
January 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 Leukemia. Describe the cytochemical stains used in FAB classification of Acute leukemia
2. Describe the physical and microscopic examination of urine.

Short notes

(10x5=50)

3. Diagrammatically represent normal and abnormal Sperm Morphology
4. Bile pigments in urine and its detection methods
5. Sputum microscopy
6. 24-hour urinary protein quantitation methods
7. CSF analysis and its utility in disease diagnosis
8. Sickle cell anemia and its lab diagnosis
9. Prothrombin time and International Normalized Ratio.
10. Platelet function test
11. Describe the lab testing in Chronic Myeloid Leukaemia
12. Principles involved in Automated Blood cell counter

Answer briefly

(10x3=30)

13. Stool occult blood
14. Enumerate Blood parasites and Stains used for blood parasite detection.
15. Synovial fluid analysis
16. LE cell test
17. Autoimmune haemolytic anaemia
18. Perl's staining
19. Bone marrow transplantation
20. Urine preservatives
21. Peripheral smear reporting format
22. Benedicts test
