QP CODE: 205012 **Reg No:……**

Second Year B.Sc MLT Degree Regular/Supplementary Examinations May 2022
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. Describe normal hematopoiesis along with a neatly labelled diagram. Name the lab investigations performed to diagnose iron deficiency anemia
2. Name the abnormal constituents on urine chemical examination with a brief note on their clinical significance

Short notes **(10x5=50)**

3. Hematocrit
4. Reticulocyte count
5. Prothrombin Time
6. Urine microscopy
7. What are the characteristics of normal semen
8. What are the differences between myeloblast and lymphoblast
9. Lab diagnosis of hemophilia
10. Describe the abnormal findings seen in CSF in TB meningitis
11. Anticoagulants used in the laboratory
12. Blood picture in Chronic myeloid leukemia

Answer briefly **(10x3=30)**

13. Define leukopenia. List four causes of leucopenia
14. Define thrombocytosis. List two causes of thrombocytosis
15. What is ESR. How is it detected
16. Define Disseminated intravascular coagulation Name two causes of DIC
17. List four causes of hemolysis
18. Name two methods of measuring stool occult blood. What is its clinical significance
19. Name three methods of detecting malarial parasite
20. Name three hematological investigations done to diagnose aplastic anemia.
21. Write the principle of automation of cell counter for Hb and WBC count
22. Define thrombocytopenia. List two causes of thrombocytopenia

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