

Second Year B.Sc MLT Degree Examinations October 2018

Haematology II and Clinical Pathology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(2x10=20)

1. Define anemia. List the laboratory investigations in anemia. Describe the blood picture in macrocytic anemia
2. What are anticoagulants. List five commonly used anticoagulants, write their mode of action and uses.

Short notes

(10x5=50)

3. Urinary casts
4. Name the body fluids and enumerate the examination of body fluids
5. Define disseminated intravascular coagulation. Name four causes. What are the lab investigations performed to diagnose DIC
6. Lab diagnosis of B thalassemia major
7. Define leukemia. Discuss the lab diagnosis of acute leukemia
8. Semen analysis
9. Hematology lab automation
10. Bleeding time
11. The differences in stool examination in amoebic and bacillary dysentery
12. Myelopoiesis

Answer briefly

(10x3=30)

13. Crystals in the urine, method of detection and their significance
14. The characteristics of an ideal blood smear. What are the uses of thick smear
15. What is normal prothrombin time. Name two conditions where PT is prolonged
16. What is normal platelet count. Mention two methods of estimation of platelet count
17. What is pyuria. How is it detected. What is its significance.
18. List the changes in red cell indices in microcytic hypochromic anemia. List three cause for microcytic hypochromic anemia
19. What is normal Activated Partial Prothrombin Time. Name two causes of falsely prolonged APTT
20. What is the difference between serum and plasma. Name two tests performed on plasma
21. What are the urinary findings in pre-hepatic jaundice
22. Define leucopenia. List two causes of leucopenia.
