

Second Year B.Sc MLT Degree Supplementary Examinations March 2019

Haematology II and Clinical Pathology

Time: 3 Hours

Total Marks: 100

- **Answer all Questions.**
- **Draw Diagrams wherever necessary.**

Essays

(2x10=20)

1. Define anemia. Write the classification of anemia. Describe the laboratory findings and blood picture of iron deficiency anemia.
2. Define anticoagulants. List the commonly used anticoagulants. Describe their mode of action and uses.

Short notes

(10x5=50)

3. Infectious mononucleosis
4. Sputum AFB
5. Osmotic fragility test
6. Myeloperoxidase stain
7. Urinary casts
8. Bleeding time
9. Polycythemia
10. List the blood parasites. Add a note on identification of each.
11. Bence Jones proteins
12. What is sickle cell anemia. Write the investigations and laboratory findings of sickle cell anemia.

Answer briefly

(10x3=30)

13. Define pyuria. Mention its significance and how is it detected.
14. Fibrin degradation products
15. Define thrombocytopenia. List three causes of thrombocytopenia.
16. Write the qualities of an ideal peripheral smear
17. Mention the urinary findings in obstructive jaundice
18. How to detect stool occult blood. Mention its clinical significance
19. What is hemophilia. Write the laboratory findings in hemophilia.
20. List the parasites seen in urine. Mention their identifying features.
21. Agranulocytosis
22. Define eosinophilia. Mention two causes
