

Second Year B.Sc MLT Degree Examinations, September 2016

HAEMATOLOGY-II AND CLINICAL PATHOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define and classify leukemia. Describe the peripheral smear and bone marrow findings in chronic myeloid leukemia (2+3+5=10)
2. Classify anemia. Describe the lab diagnosis, blood and bone marrow findings in megaloblastic anemia (2+2+3+3=10)

Short notes

(10x5=50)

3. Osmotic fragility test
4. Acute lymphoblastic leukemia
5. LE cell preparation and interpretation
6. Crystals in alkaline urine
7. Bence Jones protein
8. Hemoglobin electrophoresis
9. Test for blood in urine
10. Types of filarial parasite in blood and its identification
11. Polycythemia
12. Periodic acid-schiff staining (PAS)

Answer briefly

(10x3=30)

13. Different types of ova in stool
14. Hematocrit
15. Test for fibrinolysis
16. Monocytosis
17. Reticulocyte count
18. Preservatives of urine
19. Hb S
20. Heinz body
21. Test for bile salts in urine
22. Method for sputum collection