

Second Year B.Sc MLT Degree Examinations, September 2017

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 acute leukemia. Describe the peripheral smear and bone marrow findings in acute lymphoblastic leukemia. (2+3+5)
2. Classify nutritional anemias. Describe the lab diagnosis of iron deficiency anemia. Draw the blood picture in iron deficiency anemia (3+4+3)

Short notes

(10x5=50)

3. RBC inclusions
4. Chronic myeloid leukemia
5. Detection of parasites in blood
6. Urine sediment examination
7. Bence Jones protein
8. Romanowsky stains
9. Tests for reducing substances in urine
10. Blood picture in a hemolytic anemia.
11. Leukamoid reaction
12. Periodic acid schiff (PAS) staining

Answer briefly

(10x3=30)

13. Different types of casts in urine
14. ESR
15. Enumerate the tests for bleeding
16. 'Shift to left' in a blood smear
17. Poikilocytosis
18. Physical examination of urine
19. Hb A2
20. Cabot rings
21. Tests for blood in urine
22. Centrifuge tube.
