

B.Sc. MEDICAL LABORATORY TECHNOLOGY**SECOND YEAR****PAPER III – CLINICAL PATHOLOGY AND BASIC HEMATOLOGY***Q.P. Code: 725018***Time: Three Hours****Maximum: 100 Marks****Answer all questions****I. Elaborate on:** (3 x 10 = 30)

1. Write the differences between transudate and exudate. Describe in detail about the indications, processing and examination of Ascitic fluid.
2. Classify anemias. Describe in detail the pathogenesis, clinical features and lab diagnosis of megaloblastic anemia.
3. Classify bleeding disorders. Describe in detail the etiopathogenesis, clinical features and lab diagnosis of Disseminated Intravascular Coagulation (DIC).

II. Write notes on: (8 x 5 = 40)

1. Tests for reducing sugars in urine.
2. Reticulocyte count.
3. Hemoparasites.
4. Coomb's test.
5. Urinary casts.
6. Chronic Lymphocytic Leukemia (CLL).
7. Red cell indices.
8. Neutropenia.

III. Short answers on: (10 x 3 = 30)

1. Four anticoagulants.
2. Christmas disease.
3. Screening tests in blood bags.
4. Sickling test.
5. Causes of lymphocytosis.
6. Four RBC inclusions.
7. Occult blood in stool.
8. Sperm viability test.
9. Drabkin's reagent.
10. LE cell.