

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. Neoplastic and non-neoplastic disorders of WBC and their lab findings.
2. Write an essay on Automation in Haematology.
3. Classify anemia. Enumerate the laboratory investigations in Nutritional anaemia.

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

1. Mention different methods of hemoglobin estimation.
2. Red cell indices.
3. Examination of blood for parasites.
4. Different types of dipsticks and their advantages and disadvantages.
5. Semen analysis.
6. Hemoglobin estimation values in different ages.
7. Cerebrospinal fluid.
8. L.E cell preparation.

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

1. Bleeding time.
2. Measurement of faecal fat.
3. Name the anticoagulants used in clinical pathology lab.
4. What is molecular diagnostics? Mention two disease conditions when it is used.
5. Significance of nucleated RBC.
6. Sudan Black in haematology.
7. Thick Smear.
8. Ketone bodies.
9. Laboratory diagnosis of iron deficiency anaemia.
10. Ham's test.
