

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 briefly about collection and preservation of urine for examination? Write in detail about the tests done for various reducing substances in urine.
2. What is anaemia? Classify anaemias. Describe the investigations for microcytic hypochromic anaemia.
3. CSF analysis.

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

1. Prothrombin time.
2. HBs.
3. Fibrin degradation products.
4. Erythrocyte Sedimentation Rate (ESR).
5. Urine preservatives.
6. Cerebrospinal fluid.
7. Sperm Count and its significance.
8. Polycythemia.

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

1. Sickling test.
2. Ham's test.
3. Iron stain.
4. Heinz bodies.
5. P.C.V tubes uses.
6. Blood and bone marrow picture of chronic lymphocytic leukemia.
7. Thick Smear.
8. Ketone bodies.
9. Techniques in molecular diagnostics.
10. What are the red cell indices and their normal values?
