

[LF 0212]

AUGUST 2014

Sub. Code: 5018

**B.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR
PAPER III – CLINICAL PATHOLOGY & BASIC HAEMATOLOGY**

Q.P. Code : 725018

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Elaborate on:

(3 x 10 = 30)

1. What is anaemia? Classify anaemias. Describe the investigations for microcytic hypochromic anaemias.
2. Classify leukemias.
3. CSF analysis.

II. Write Notes on:

(8 x 5 = 40)

1. Haemoglobin estimation by cyanmethaemoglobin method.
2. Leukemoid reaction.
3. Blood and bone marrow picture of chronic lymphocytic leukemia.
4. Immune thrombocytopenic purpura.
5. Red cell indices.
6. Automated ESR.
7. Internal quality control in haematology lab.
8. Polycythemia.

III. Short Answers on:

(10 x 3 = 30)

1. Pseudothrombocytopenia.
2. Significance of nucleated RBC.
3. Auer rod.
4. Detection of bile pigments in urine by manual and automated method.
5. Histogram for RBC.
6. Target cell.
7. Sudan Black in haematology.
8. Blood picture of acute monoblastic leukemia.
9. Thick smear.
10. Occult blood in stool.
