

[AHS 0321]

MARCH 2021

Sub. Code: 5018

(AUGUST 2020 EXAM SESSION)

B.Sc. MEDICAL LABORATORY TECHNOLOGY**SECOND YEAR (From 2010-2011 onwards)****PAPER III – CLINICAL PATHOLOGY AND BASIC HEMATOLOGY*****Q.P. Code : 725018*****Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. What is Hematopoiesis? Write about the development of blood cells.
2. Write in detail about the physical and chemical examination of urine.
3. Automation in Hematology.

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

1. Sickling test.
2. Bone marrow findings in Megaloblastic anemia.
3. Packed cell volume.
4. Morphological abnormalities of RBCs in peripheral smear
5. Coombs test.
6. Chemical analysis of pleural fluid
7. Morphological abnormalities of sperms.
8. Lab diagnosis of Leukemia.

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

1. Bence Jones proteins.
2. Casts in urine.
3. Perl's stain.
4. Occult blood in stool.
5. Quantitative Buffy Coat (QBC).
6. LE cell.
7. Drabkin's reagent.
8. Blood grouping.
9. Screening tests in blood bags.
10. Causes of Lymphocytosis.
