

[LP 1019]

OCTOBER 2019

Sub. Code: 1263

**M.Sc. MEDICAL LABORATORY TECHNOLOGY EXAMS  
SECOND YEAR  
PAPER III – ADVANCE HAEMATOLOGY & IMMUNO HAEMATOLOGY**

*Q.P. Code: 281263*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. What are myeloproliferative disorders? Classify them and write in detail about chronic myeloid leukemia.
2. What are the different types of blood transfusion? Explain in details about exchange transfusion and autologous transfusion.

**II. Write notes on:**

**(10 x 6 = 60)**

1. APTT & PT.
2. Define Apheresis, indications and method of Apheresis.
3. Megaloblastic Anemia.
4. Coomb's test.
5. Test of presence of bile salts and bile pigments in Urine – name them, write the principle of one test for each and give the clinical significance.
6. Compare and contrast leukemia and leukemoid reaction.
7. ABO Blood group system.
8. Hemoparasites.
9. Western blot – How it is done and its significance?
10. Flow cytometry.

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