

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1263

**M.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR (Regulation 2011-2012 & from 2013-2014 onwards)
PAPER III – ADVANCE HAEMATOLOGY AND IMMUNO HAEMATOLOGY
*Q.P. Code : 281263***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe about component separation in blood bank. Discuss in detail about apheresis. Quality control in blood banking.
2. Describe about neutrophilia and its causes. What is leukemoid reaction? Difference between leukemia and leukemoid reaction. Discuss the peripheral smear findings of Acute lymphoblastic leukemia.

II. Write notes on:

(10 x 6 = 60)

1. Transfusion transmitted diseases
2. Describe about Blood bags
3. Cryoprecipitate
4. Donor screening in blood bank
5. Anticoagulants used in blood bank
6. Erythrocyte sedimentation rate- Methods and uses
7. Manual platelet count and causes for false high and low platelet count
8. ProthrombinTime and Activated Partial ThromboplastinTime
9. Pre and post analytical errors in hematology
10. Laboratory findings in Megaloblastic anemia.
