

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

[AHS 0321]

MARCH 2021

Sub. Code: 1263

(OCTOBER 2020 EXAM SESSION)

M.Sc. MEDICAL LABORATORY TECHNOLOGY

SECOND YEAR (2011-2012 Regulation - 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. Discuss in detail about blood bags, anticoagulants and preservatives used in blood banking. Discuss about types of blood donors and transfusion reaction. (10+10)
2. What is thrombocytopenia? Causes of Thrombocytopenia. Describe in detail about Disseminated intravascular coagulation and its laboratory findings. (2+6+12)

II. Write notes on:

(10 x 6 = 60)

1. Automated cell counters in hematology
2. Peripheral smear findings in nutritional anemia
3. D dimer and its significance
4. Platelet separation in blood bank
5. Polymerase chain reaction
6. Coomb's test
7. Quality control in hematology lab
8. Rh incompatibility
9. Autologous transfusion
10. Lymphocytosis and its causes
