

**THE TAMIL NADU Dr.M.G.R. MEDICAL UNIVERSITY**

[LQ 1220]

**DECEMBER 2020  
(MAY 2020 EXAM SESSION)**

**Sub. Code: 1263**

**M.Sc. MEDICAL LABORATORY TECHNOLOGY**

**SECOND YEAR – (Regulation 2011 – 2012 & 2013-2014)**

**PAPER III – ADVANCE HAEMATOLOGY & IMMUNO HAEMATOLOGY**

**Q.P. CODE: 281263**

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL Questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Anemia, give the classification of Anaemia and write in detail about Hemolytic Anaemia.
2. Write in detail about history of Blood Transfusion, type of Donors, Donor selection criteria and Transfusion mediated diseases.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Absolute Eosinophil count.
2. Principle of detection of Ketone bodies in Urine and its significance.
3. How are Platelet function disorders analysed?
4. How Haemoglobin estimation by Cyan meth Haemoglobin method done? Explain.
5. What are Romanowsky stains? Give a note on each.
6. Genetics of Blood group Antigens.
7. What is the basics of HLA typing? How it is done?
8. What are Anticoagulants? How are they classified and explain each of them briefly?
9. What is a Compatibility test and its types? Where are they applied?
10. Microscopic examination of Stool.

\*\*\*\*\*