

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

[AHS 0423]

APRIL 2023

Sub. Code: 2612

**DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR – (Regulations 2014 -2015 & 2018-2019 onwards)
PAPER II – HEMATOLOGY AND BLOOD BANK TECHNOLOGY
Q.P. Code: 842612**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Mechanism of Blood Coagulation.
2. Etiology, distribution of body Iron and laboratory findings of Iron Deficiency Anemia.
3. Principle and Application of Anti-Human Globulin Test (COOMBS' TEST).

II. Write notes on:

(10 x 5 = 50)

1. Pre-analytical processing of clinical laboratory specimens.
2. Methods of Blood grouping.
3. Idiopathic Thrombocytopenic Purpura.
4. Functions of Blood.
5. Draw and label parts of a Microscope.
6. Packing of equipments for CSSD.
7. Enlist the factors affecting Antigen Antibody reaction.
8. Bombay Blood Group.
9. Types of Blood bags.
10. Thermograph.

III. Short answers on:

(10 x 2 = 20)

1. Fresh Frozen Plasma.
2. FNHTR.
3. Any two Advantages of EDTA blood.
4. Types of Smears.
5. Platen type staining methods.
6. Sudan Black.
7. Name the Mandatory Transfusion Transmitted Infections Screening test.
8. Urine Analyser.
9. Reticulocyte Count.
10. Anti A-Antisera.
