

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

[AHS 0424]

APRIL 2024

Sub. Code: 5031

B.Sc. MEDICAL LABORATORY TECHNOLOGY
THIRD YEAR (Regulations 2010-2011 & 2018-2019 onwards)
PAPER I – COAGULATION AND TRANSFUSION MEDICINE
Q.P. Code: 725031

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Describe the Laboratory diagnosis of Bleeding disorders.
2. Elaborate notes on Primary and Secondary Thrombophilia disorders.
3. Define Types of Blood collection bags. Discuss about Anticoagulant Solutions used in the Blood bank.

II. Write notes on: **(8 x 5 = 40)**

1. HLA typing in Transplantation.
2. Infectious disease screening in the Blood bank.
3. Auditing in Blood Bank.
4. Write about Direct Anti-Human Globulin Test.
5. Thrombocytosis
6. Discuss in detail on types of Donor deferral
7. Blood substitutes
8. Hemolytic disease of New born.

III. Short answers on: **(10 x 3 = 30)**

1. Circulating anticoagulants.
2. Blood Donor Motivation.
3. Vitamin K deficiency.
4. PT and INR.
5. Hemolytic Uremic Syndrome.
6. Red cell suspensions.
7. Fibrin degradation product.
8. Lectins in Blood Bank.
9. Monoclonal antibodies in Blood bank.
10. Factor V Leiden mutation.
