

**B.Sc. MEDICAL LABORATORY TECHNOLOGY
THIRD YEAR
PAPER I – COAGULATION & TRANSFUSION MEDICINE**

Q.P. Code: 725031

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Pre-transfusion Compatibility Testing.
2. What is window period? Write about the mandatory blood donor screening Test done for transfusion transmitting infection in India.
3. Write about the hereditary platelet function defects and its laboratory diagnosis.

II. Write notes on:

(8 x 5 = 40)

1. Thrombophilia.
2. Quality control of packed red cell.
3. Pre-analytical variables including sample collection in coagulation assays.
4. D-DIMER.
5. Hemolytic Disease of Newborn.
6. First line coagulation test.
7. HLA typing.
8. Duffy blood group.

III. Short answers on:

(10 x 3 = 30)

1. Tissue factor.
2. IgG Antibody.
3. Rh Antigen.
4. Autologous Transfusion.
5. Blood bank Freezer.
6. Clot solubility test.
7. Control plasma.
8. Antibody screening.
9. Principle and types of ELISA.
10. Pro-zone phenomenon.
