

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

Q.P. Code: 725031

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about the Coagulation Cascade of Hemostasis.
2. Discuss about Rh blood group and its importance.
3. Write about the selection and screening eligible criteria to donate blood.

II. Write notes on:

(8 x 5 = 40)

1. Hemophilia B.
2. Quality control of platelet concentrate.
3. Quality assurance in blood bank.
4. Blood substitutes.
5. HLA in health and disease.
6. Transfusion support in transplantation.
7. Auditing in blood bank.
8. Thromboelastography.

III. Short answers on:

(10 x 3 = 30)

1. Difference between IgG and IgM antibody.
2. CPDA.
3. APTT (Activated partial Thromboplastin).
4. DIC.
5. Extra vascular Hemolysis.
6. Fresh frozen plasma.
7. Factors influencing Antigen-Antibody reaction.
8. Direct coombs test.
9. Afibrinogenaemia.
10. Mandatory screening test for all blood donation in India.
