

**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. Describe the causes, Patho-physiology and primary test profile for Disseminated intravascular coagulation.
2. Genetics, Synthesis and formation ABO blood groups.
3. Recruitment and retention of voluntary blood donor.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Von willebrand disease.
2. HLA in allogenic bone marrow transplantation.
3. Lab diagnosis for Thrombotic disorders.
4. Quality control of Fresh frozen plasma.
5. Bombay blood groups.
6. Bio-safety in blood bank.
7. Coombs Test.
8. Platelet function test.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Write two common methods for Hb estimation in blood donor.
2. Point of care testing in coagulation Lab.
3. Primary haemostasis.
4. Bethesda unit.
5. Rh antibodies.
6. Single donor platelets.
7. Anti- Phospholipid Antibodies.
8. Blood bank refrigerator.
9. Fibrinogen structure.
10. Auto-Antibodies.

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