

[LL 0817]

AUGUST 2017

Sub. Code: 5031

**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. Explain the coagulation Pathway. What are the tests you will do to investigate a bleeding disorder?
2. Elaborate on blood transfusion reactions. How will you investigate them?
3. Elaborate on the types of blood groups.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Disseminated intravascular coagulation.
2. Blood groups other than ABO groups.
3. Fresh Frozen plasma.
4. Human leukocyte antigen (HLA) and diseases.
5. Von Willebrand factor.
6. How Platelets are stored?
7. Activated partial Thromboplastin time (APTT) and its significance.
8. Transfusion transmitted diseases.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Prothrombin time (PT) and international normalized ratio (INR).
2. Fibrinolysis.
3. Coombs' Test.
4. Blood donor.
5. Cross matching of blood.
6. Agglutination.
7. What are the functions of platelets?
8. Thrombophilia.
9. Bombay Blood group.
10. Transfusion associated lung injury (TRALI).

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