

**M.D. DEGREE EXAMINATION**

**BRANCH XXI – IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION**

**PAPER I – BASIC APPLIED ASPECTS RELATED TO  
IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION**

*Q.P.Code: 202097*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss and critically evaluate the role of coagulation testing in the pre-operative assessment of bleeding risk.
2. Enumerate the process and procedures to develop appropriate blood/blood product usage and transfusion safety.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Ensuring accuracy and precision in your immunohaematology laboratory.
2. The steps that can be taken within your hospital to minimize “Wrong Blood In Tube”.
3. Quality control of Cryoprecipitate.
4. Jehovah witness and cardiac surgery.
5. Paroxysmal Nocturnal Hemoglobinuria.
6. Neonatal alloimmune thrombocytopenia (NAIT).
7. Coombs’ (direct antiglobulin) test reagents.
8. Haemovigilance.
9. Point of care devices for haemostasis monitoring during prolonged surgeries.
10. Measures of stored red blood cell quality.

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