

**M.D. DEGREE EXAMINATION**

**BRANCH XXI – IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION**

**PAPER II – IMMUNOHAEMATOLOGY, IMMUNOGENETICS AND  
APPLIED SEROLOGY**

*Q.P.Code: 202082*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Detail out the components of electronic cross matching.
2. Transfusion management in major ABO mismatch Allo- BMT recipients.

**II. Write notes on:** **(10 x 7 = 70)**

1. Advise patient who insists that she had been typed as A RhD positive before in another hospital but has been typed A RhD negative in your laboratory?
2. Molecular structure of Rh gene.
3. HLA crossmatch.
4. Panagglutination.
5. Laboratory investigations for TRALI (Transfusion Related Acute Lung Injury).
6. HLA – B27.
7. HTLA antibodies.
8. NK cells.
9. ISHAGE (International Society of Hematotherapy and Graft Engineering) protocol.
10. Platelet crossmatch.

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