

QP Code:102108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Immuno
Haematology and Blood Transfusion Medicine (MD) January 2025**

Paper II - Immunohaematology, Immunogenetics and Applied Serology

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. What are the factors affect the Antigen- Antibody reactions in Immunohematology.
Discuss methods to enhance Antigen- Antibody reactions in this setting

Short essays:

(8x10=80)

2. Discuss the role of automation modalities in Immunohematology with the advantages and disadvantages
3. Immunohematological considerations during transfusion support for ABO incompatible HSCT.
4. Clinical features, pathogenesis, investigations and management of transfusion related lung injury.
5. Explain the Molecular basis of Partial D. Add a note on its clinical significance
6. Discuss the internal quality control measures adopted for serological testing of transfusion transmitted infections in a transfusion setting.
7. What is rare blood donor registry. List the steps to be taken for identification and follow up rare blood group donors.
8. Discuss types of ABO grouping discrepancies and methods used to resolve them.
9. Solid phase techniques used in immunohematology
