

QP Code:102108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Transfusion
Medicine (MD) July 2023**

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. Quality control parameters of ABO grouping and Rh typing antisera. Write a note on critical factors that can affect results of blood grouping.

Short essays:

(8x10=80)

2. Discuss the applications of flow cytometry in Transfusion Medicine.
3. MHC class I, biology and role in transplantation.
4. Preparation of Anti Human Globulin reagents.
5. Antibody screening and identification red cell panel – preparation and quality checking.
6. Duffy blood group system.
7. Rare Blood Donor Program.
8. Genetic Basis of A, B and H antigen.
9. Mechanisms of Transfusion Related Immuno Modulation.
