

QP Code:102108

Reg. No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD)
January 2024**

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. Discuss the Mechanisms of Transfusion Related Immuno Modulation.

Short essays:

(8x10=80)

2. Inheritance of Rh Blood group system.
3. Cell processing of MHC class I Molecules.
4. Preparation of polyspecific Anti Human Globulin.
5. Red Cell Storage Lesions.
6. Transfusion issues in relation of pathophysiology in a patient with HELLP Syndrome.
7. Rare Donor program.
8. Genetic Basis of A, B and H antigen.
9. Quality control parameters of ABO grouping and Rh typing antisera.
