

QP Code: 101108

Reg. No.:.....

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

Paper I – Applied Aspects of Basic Sciences in Relation to Transfusion Medicine

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. Describe in detail the Major Histocompatibility Complex (MHC) and significance of HLA in Transfusion Medicine.

Short essays:

(8x10=80)

2. Platelet additive solutions.
3. Iron Metabolism.
4. Fibrinolytic pathway.
5. Structure of Red cell membrane.
6. Clinical significance of antibodies against human leucocyte antigens in Transfusion and Transplantation.
7. Plasticizers in Transfusion Medicine.
8. Immunoglobulin – G (IgG).
9. Mendelian laws of inheritance.
