

QP Code:104108

Reg. No.:.....

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

Paper IV - Recent Advances & Technology

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 the methodology of gene therapy and its application in Transfusion Medicine.

Short essays:

(8x10=80)

2. Adoptive Immuno Therapy.
3. Proteomics and its applications.
4. Micro array.
5. Anti Thyneocyte globulin (ATG) and its uses.
6. Setting up of molecular lab for blood group genotyping.
7. Discuss the role of Biological Resposne Modifiers in transfusion Medicine.
8. Role of e rakt kosh in modernizing transfusion services.
9. Selection of an apheresis machine.
