

QP Code:104108

Reg. No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD)
November 2022**

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. Write indications of bone marrow transplantation. Criteria for selection of bone marrow donor in thalassemic patient. Write procedure and complications of bone marrow transplantation in thalassemic patient.

Short essays:

(8x10=80)

2. Hospital transfusion committee.
3. Electronic cross match.
4. Polymerase Chain Reaction (PCR).
5. Role of gene therapy in various diseases.
6. Rare donor registry
7. Chromatographic immunoassay (C.I.A.).
8. Plasma substitutes.
9. Cryopreservation of red cells.
