

**QP Code:104108**

**Reg. No.:.....**

**PG Degree Regular/Supplementary Examinations in Transfusion Medicine  
(MD) May 2021**

**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. Haematopoietic Stem Cells (H.S.C.), its role in transplantation.

**Short essays:**

**(8x10=80)**

2. Nucleic Acid Testing (NAT) for blood screening.
3. Gel technology in blood banking.
4. Adverse effects of apheresis in donors.
5. Newer pathogens, potential threat to blood safety.
6. Blood bank software
7. Plasma fractionation.
8. Red cells substitutes.
9. Indications of irradiated blood components

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