

QP Code:104108

Reg. No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD)
November 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. write a note on total quality managements in blood bank

Short essays:

(8x10=80)

2. Hospital transfusion committee
3. Briefly mention about stem cell viability and enumeration techniques.
4. How are the chimeric antigen receptor – T cell (CAR-T cell) designed and discuss their clinical role.
5. Role of Accreditation of blood banks in India
6. Briefly describe micro-array technology and its applications.
7. Intra operative and post-operative blood salvage.
8. Platelet activation markers and their clinical significance
9. Impact of COVID-19 pandemic on blood supply chain. Briefly mention about NBTC guidelines for holding blood donation camps and donor screening
