

QP Code:104108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Transfusion  
Medicine (MD) July 2023**

**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. Explain the various automation techniques in immunohematology and discuss the merits and demerits in comparison with manual techniques.

**Short essays:**

**(8x10=80)**

2. Dendritic cell therapy.
3. Latest guidelines for establishing a blood centre in India.
4. Principle and application of Thrombo Elasto Graphy (TEG).
5. Six Sigma approach in Transfusion Medicine.
6. Lymphokine Activated Killer Cells (LAK Cells)
7. COVID-19 convalescent plasma therapy.
8. Role of proteomics in transfusion medicine.
9. Principles and application of autologous platelet rich plasma.

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