

QP Code:104108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Transfusion Medicine
(MD) May 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. Briefly describe on apheresis technology and its clinical applications.

Short essays:

(8x10=80)

2. Discuss the role of platelet additive solutions in platelet storage.
3. Discuss the recent amendments in drug and cosmetics rule in reference to blood transfusion services in the country.
4. Discuss the recent advances in anti-coagulant and preservative solutions in blood banking.
5. Preoperative autologous blood collection.
6. Briefly discuss key elements of quality management system in transfusion services
7. Write short note on recombinant plasma proteins
8. Role of Automation in transfusion services
9. Mesenchymal stem cells and their clinical applications
