

QP Code:104108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Immuno
Haematology and Blood Transfusion Medicine (MD) November 2025**

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. What are the clinical applications of Platelet Rich Plasma (PRP). Add a note on the growth factors present in PRP and explain their role in its therapeutic efficacy

Short essays:

(8x10=80)

2. Biomedical waste management in blood centres
3. Microarrays in blood group genotyping
4. Discuss the disaster management protocols to be followed by transfusion services in the setting of a pandemic
5. What is Extracorporeal Photopheresis. Explain its principle and clinical utility
6. Neocyte transfusion
7. Discuss the requirements of patient Informed consent. Format an Informed Consent form for a patient requiring blood transfusion
8. Hemovigilance program of India
9. Next -generation sequencing technologies in blood group antigens/genotypes
