

QP Code:104108

Reg.No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD) -
November 2016**

Paper IV - Recent Advances & Technology

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays:

(20)

1. What is nucleic acid amplification technology (NAT). Describe in detail, various types of NAT and its application in blood banking.

Short essays:

(8x10=80)

2. Adoptive immunotherapy.
3. Flow cytometry in transfusion medicine.
4. Application of proteomics in transfusion medicine.
5. Universal and stealth RBC.
6. Thrombo-elastography(TEG)
7. Photopheresis and rheopheresis
8. RBC adhesion molecule
9. Methods of detection of bacterial contamination of platelets.
