

QP Code:104108

Reg.No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD) -
November 2015**

Paper IV - Recent Advances & Technology

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Describe mechanisms of post-operative bleeding in a patient undergoing cardio pulmonary bypass. Discuss the use of point of care tests to reduce transfusion requirements in such a case.

Short essays:

(8x10=80)

2. Transcription mediated amplification
3. Donor lymphocyte infusion
4. Photophoresis
5. Viral inactivation of plasma components
6. Stealth RBCs
7. nvCJD
8. Applications of flow cytometry in transfusion medicine
9. RFID in blood banking
