

QP Code:104108

Reg.No.:.....

PG Degree Examinations in Transfusion Medicine (MD) - May 2014

Paper IV - Recent Advances & Technology

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Discuss the blood bank information systems.

Short essays:

(8x10=80)

2. Production and characterization of cultured human red cells.
3. Platelet substitutes.
4. Photopheresis and its applications
5. Molecular structure, detection and significance of HBV mutants in blood banking.
6. Methods for evaluation of platelet function defects.
7. Describe the relevance of multi component collection in modern transfusion practice.
8. Dendritic-cell immunotherapy.
9. Randomized transfusion trials in sickle cell disease.
