

QP Code:103110

Reg.No.:.....

**PG Degree Supplementary Examinations in Pathology (MD) –
November 2017**

Paper III - Haematology, Transfusion Medicine and Laboratory Medicine

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Classify thalassemia. Add a note on molecular basis of beta thalassemia and genetic counselling.

Short Essays:

(8x10=80)

2. Nucleic acid amplification technology (NAT) for infectious markers
3. Congenital dyserythropoietic anemia
4. Role of stem cells in tissue homeostasis, add a note on peripheral blood stem cell harvesting
5. Acute promyelocytic leukemia
6. Laboratory assessment of factor VIII-inhibitor assay (Bethesda assay)
7. Discuss post-transplant anaemia. Add a note on passenger lymphocytic syndrome and its laboratory investigation
8. What is apheresis. Discuss the role of therapeutic apheresis in various clinical conditions.
9. Automation in urine analysis
