

QP Code: 101108

Reg. No.:.....

PG Degree Examinations in Transfusion Medicine (MD) April 2019

Paper I – Applied Aspects of Basic Sciences in Relation to Transfusion Medicine

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Describe on haemoglobin synthesis and degradation. Add a note on investigations for iron deficiency anaemia.

Short essays:

(8x10=80)

2. Cell based coagulation system
3. B-lymphocyte
4. Hardy Weinberg equation and its application in blood bank immunology
5. Role of MHC (Major Histocompatibility Complex) in transplant immunology
6. Classify immunoglobulins and discuss role of IgG and IgM in immunohematology
7. Discuss importance of complement in immunohematology.
8. Structure of HIV and its transmission
9. Different anticoagulants and preservatives used for blood and its components
