

200-NR

M.D. DEGREE EXAMINATION – APRIL, 2015

TRANSFUSION MEDICINE

Paper-I – Basic applied aspects related to Transfusion Medicine

Time : 3 Hours

Max. Marks: 100

Note : Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Explain the principal metabolic pathways for Red Cells and platelets.
- 2) Explain the Cell based model of Coagulation.
- 3) Pathophysiology of Non-immune Hemolytic transfusion reaction.
- 4) Serum haptoglobulins.
- 5) Rh null Syndrome.
- 6) Transfusion associated GVHD and its prevention.
- 7) Explain the Genetic basis for Bombay and para Bombay Phenotypes?
- 8) Biochemical and haematological changes during storage of Red blood cells.
- 9) Immuno modulatory effect of Blood transfusion.
- 10) Role of HLA system and its significance in Blood transfusion services.
