

PAPER CODE: 1091

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

TRANSFUSION MEDICINE

PAPER – II

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

10 X 10 = 100

1. Bystander Immune Haemolysis.
2. Subgroups of Blood group A – Identification and significance.
3. Different Elution methods and their role in Red cell serology.
4. Duffy blood group system – characteristics of common antigens and antibodies.
5. Human Neutrophil antigens.
6. Tests for detection of Human platelet Alloantibodies.
7. Outline the investigation and management of a patient with Dyspnoea as a predominant symptom of transfusion reaction.
8. Automation in Immunohematology.
9. Immunohematologic abnormalities after Hematopoietic stem cell transplantation.
10. IgA deficiency and its implications in transfusion medicine.
