

PAPER CODE: 1093

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

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

TRANSFUSION MEDICINE

PAPER – IV

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. Principle of Extra corporeal Photopheresis and discuss its clinical applications.
2. Microchimerism and its significance in organ transplantation.
3. Discuss applications of molecular typing of blood group antigens.
4. Stem cell plasticity.
5. Near miss events, its causes and prevention.
6. Discuss transfusion support in a case of Sickle cell disease.
7. Discuss Red cell substitutes.
8. Use of Plasticizers in modern blood banking.
9. Uses of Recombinant monoclonal anti bodies in current Transfusion medicine practice.
10. Dendritic cell therapy.
