

PAPER CODE: 1093

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
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M.D/ M.S DEGREE EXAMINATIONS: JUNE, 2023

TRANSFUSION MEDICINE

PAPER – IV

(RECENT ADVANCES IN TRANSFUSION TECHNOLOGY AND HAEMOTHERAPY)

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write a short essay on the following:

10 X 10 = 100

1. Pathogen reduction technologies for platelets.
2. Universal red cells.
3. Platelet substitutes.
4. Equipment management.
5. Molecular blood typing – techniques and applications.
6. Massive transfusion protocols and their rationale.
7. Requirements for setting up a cord blood bank.
8. Extracorporeal photopheresis.
9. Dendritic cell immunotherapy.
10. Recombinant coagulation factors.
