

PAPER CODE: 1092

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

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

TRANSFUSION MEDICINE

PAPER – III

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. Transfusion support in Neonatal patients.
2. Complications of massive transfusion and strategies to reduce the complications of massive transfusion.
3. Prerequisites for conducting a blood donation camp for 300 blood donors.
4. Management of blood spillage in blood donor area.
5. Define Blood donor counselling? What are the various stages of blood donor counselling? What are the objectives of pre-donation information?
6. Discuss the different methods of preparation of platelet concentration.
7. How would you provide blood transfusion support to a patient who was found to have multiple unidentified alloantibodies? The patient is a known Thalassaemic presenting with a HB of 8 gm/dL and scheduled for Aortic valve surgery.
8. What is the composition of Blood collection Bags? Various plasticizers used in blood collection bags and effect of plasticizers on RBC's.
9. Hospital Transfusion Committee (HTC) – Organization and role.
10. Thrombotic Thrombocytopenic Purpura (TTP)– Pathophysiology and role of transfusion medicine.
