

PAPER CODE: 1090

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

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: OCTOBER, 2023

TRANSFUSION MEDICINE

PAPER – I

(BASIC MEDICAL SCIENCES)

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. Oxygen dissociation curve of haemoglobin and its implications in stored blood.
2. Pathophysiology of heparin induced thrombocytopenia.
3. Pathways of complement activation.
4. Different methods for bacterial detection of blood components.
5. Molecular technologies for detection of transfusion transmitted viral infections.
6. Describe the Bombay blood group system.
7. Transfusion associated graft VS host disease and its prevention.
8. Pathophysiology of passenger lymphocyte syndrome.
9. Role of platelets in haemostasis.
10. Mechanisms and toxicity of iron overload.
