

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

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MAY,2025

**PHYSIOLOGY
PAPER – IV
(APPLIED PHYSIOLOGY)**

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. Define and classify Shock. Add a note on pathophysiology of hypovolemic shock.
2. What are all the bleeding diathesis and explain the latest advancement in the treatment of bleeding disorders.
3. What is mismatched blood transfusion and what are the complications of mismatched transfusion?
4. What are all the liver functions test done and how will you interpret the results.
5. What is cystometrography and explain the pressure volume changes in the urinary bladder during micturition.
6. What is peptic ulcer and Explain pathophysiology of gastric ulcer?
7. What are the cardiopulmonary changes occurring in moderate exercise.
8. What is caisson's disease and how will you manage it.
9. What is brown-sequard syndrome and explain the sensory and motor changes below the site of lesion.
10. What are all the pregnancy tests and add a note on in-vitro fertilisation.
