

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

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

ANAESTHESIOLOGY

PAPER – I

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. Enumerate various Renal functions tests. Describe the clinical treatment of Hypokalaemia. (5+5)
2. How will you calculate the energy requirements of an ICU patient? What are the advantages and disadvantages of parental Vs enteral nutrition? (5+5)
3. Describe physiological changes during pregnancy and their relevance in anaesthetic patient.
4. What are the factors predisposing to local anaesthesia toxicity? Describe clinical signs, symptoms of toxicity and treatment of local anaesthesia toxicity? (4+6)
5. List various Liver function tests. Write in brief about role of plasma proteins in anaesthesia. (4+6)
6. Draw a diagram representing the Circle of Willis. Write in brief about cerebral protection. (5+5)
7. Describe a Nephron. Write in brief about GFR. Describe management of a case of pre-existing renal disease. (3+3+4)
8. Write a note on International patient safety goals.
9. Describe the Anaesthesia safety checklist in brief.
10. What is Goitre? Discuss the pharmacological management of Thyrotoxicosis. Write a note on Thyroid steal. (3+3+4)
