

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

B.Sc. (ALLIED HEALTH SCIENCES), SECOND YEAR DEGREE SUPPLEMENTARY

EXAMINATIONS: OCTOBER, 2025

CRITICAL CARE TECHNOLOGY

PAPER-IV

(PATHOLOGY, PATHOPHYSIOLOGY, PHARMACOLOGY)

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Classify Antihypertensives with examples. Explain in detail about calcium channel blockers.
2. Define ARDS (Acute Respiratory Distress Syndrome). Mention causes, sign, symptoms and pathophysiology of ARDS.
3. Classify Neuromuscular blockers along with examples. Explain in detail about Succinylcholine.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Occupational lung diseases.
5. Acute left ventricular failure.
6. Pathophysiology of CVA (stroke).
7. Anticholinergic drugs.
8. Barbiturates – classify and mention mechanism of action.
9. General supportive care in poisoning.

Write briefly on the following:

10 X 3 = 30

10. Any three Antiviral drugs.
11. Hyponatremia.
12. Classification of bleeding disorders.
13. Myasthenia gravis.
14. Pleural effusion.
15. Mucokinetic agents.
16. Bronchodilators.
17. Insulin.
18. Inotropic agents.
19. N₂O gas
