

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE SUPPLEMENTARY

EXAMINATIONS: OCTOBER, 2025

ANAESTHESIA TECHNOLOGY

PAPER II

BASIC PRINCIPLES OF ANAESTHESIA

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 Breathing systems. Describe Circle system in detail.
2. What is Pulse oximeter? What are the components of pulse oximeter? Write advantages & limitations of pulse oximeter.
3. What is colour coding of different cylinders in operation theatre? Describe Pin index system.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Safety features of Anaesthesia machine.
5. Reservoir bag.
6. Measures to overcome fire hazard in operation theatre.
7. Components of suction apparatus.
8. Pressure regulation in anaesthesia machine.
9. Chest X - ray & its importance in Anaesthesia.

Write briefly on the following:

10 X 3 = 30

10. Face mask.
11. Care of Laryngoscope
12. Endotracheal tube.
13. Et CO₂.
14. Electrocardiogram (ECG) wave form.
15. Methods to prevent humidity (any two).
16. Yoke Assembly.
17. Airway Equipment's.
18. Ventimask.
19. Neuro muscular monitoring.
