

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
B.Sc. (ALLIED HEALTH SCIENCES) SECOND YEAR DEGREE EXAMINATIONS:
FEBRUARY, 2026
RESPIRATORY THERAPY TECHNOLOGY
PAPER-II
CLINICAL BIOCHEMISTRY, MEDICAL TERMINOLOGY, RESPIRATORY CARE
EQUIPMENT

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary.

Write an essay on any TWO of the following questions: **2 X 10 = 20**

1. What is ABG analysis? What sample is used for analysis? Mention the normal values of parameters assessed under ABG analysis.
2. Endotracheal tube – Tube markings, Indications, contraindications, technique of insertion, confirmation of placement and complications of intubation.
3. Describe the characteristics and therapeutic use of aerosols.

Write a short note on any FIVE of the following: **5 X 6 = 30**

4. Write a note on low flow oxygen devices.
5. Respiratory regulation of PH.
6. Mucolytics.
7. Write a note on plasma proteins.
8. Mention different types of Nebulisers and add a note on it.
9. Pulse oximeter – indications and utility in various respiratory disorders.

Write briefly on the following: **10 X 3 = 30**

10. Vital signs monitors in respiratory ICU (Intensive care unit) and its importance.
11. Peak Expiratory flow meter.
12. Steps in endotracheal suctioning.
13. Local Anaesthetics.
14. Nasal prongs.
15. Factors affecting the oxygen dissociation curve.
16. McCoy blade.
17. Von Gierke's disease.
18. Chloride shift.
19. Sputum collection procedure.
