

PAPER CODE: AHS16011

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

**B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:
OCTOBER, 2025**

RESPIRATORY THERAPY TECHNOLOGY

PAPER II

**CLINICAL BIOCHEMISTRY, MEDICAL TERMINOLOGY, RESPIRATORY CARE
EQUIPMENT**

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. What is Aerosol therapy? Name the diseases for which aerosol therapy is given. Name five drugs given through aerosol route.
2. Describe the process of Glycolysis. Explain how many ATP molecules are formed in aerobic and anaerobic glycolysis.
3. Name the Buffer systems of Human body. Explain in detail about respiratory regulation of PH.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Describe about Macintosh blade and explain the technique of Insertion.
5. Oxygen concentrator – Indications, working mechanism and limitation.
6. List the Plasma lipoproteins and indicate their function.
7. Define and describe few causes of Hypotension.
8. Advantages and disadvantages of Oral tracheal intubation.
9. Pulse Oximeter.

Write briefly on the following:

10 X 3 = 30

10. Venturi principle.
11. What is Anion gap? How is it calculated?
12. Laryngeal Mask airway
13. Jet Nebuliser.
14. What are Essential amino acids? Name any four.
15. The Henderson – Hasselbach equation.
16. Mention three significances of HMP shunt pathway.
17. What are Mucolytics? Give examples.
18. Von Gierke's disease.
19. Non – Rebreathing mask.
