

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
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BPT FINAL YEAR DEGREE EXAMINATIONS: JANUARY 2026

PHYSIOTHERAPY FOR CARDIO RESPIRATORY CONDITIONS

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Give diagrammatic representation wherever necessary.

Write an essay on the following questions:

2 X 10 = 20

1. a) Explain the indications of mechanical ventilation and various modes of ventilator.

OR

- b) Define suctioning. Describe indications and types of suctioning.
2. a) Describe indications, goals and types of relaxation positions for asthmatic patients.

OR

- b) Describe the indications and techniques of postural drainage.

Write a short note on the following:

8 X 5 = 40

3. Explain the classification of lung sounds.
4. Explain the indication for IPPB.
5. Types of aerosol therapy.
6. Explain physiotherapy management in post cardiac transplant.
7. What is cystic fibrosis. Explain physiotherapy management of the same.
8. Types of oxygen therapy. Principles of oxygen prescription.
9. Indications and contraindications of sub-maximal testing.
10. Explain the movements of gases across the alveolar capillary membrane.

Write briefly on the following:

10 X 2 = 20

11. AMBU bag.
12. Different types of measurement of chest expansion.
13. Shoulder hand syndrome.
14. Function of endotracheal tube.
15. Forced expiration techniques.
16. Clubbing and cyanosis.
17. CPAP (continuous positive airway pressure).
18. Peak expiratory flow meter.
19. Ankle brachial index.
20. Pulmonary embolism.
