

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year Master of Physiotherapy Degree Examination – 11-May-2026

[Time: 3 Hours]

[Max. Marks: 100]

Physiotherapy Interventions in Cardio-Vascular and Pulmonary Sciences
Paper-IV (RS-4)
Q.P. CODE: 8138

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. Describe normal spontaneous ventilation with emphasis on gas flow and pressure variations.
2. Explain the PT assessment and management for Infants in the ICU with Bronchiectasis.
3. Explain principles of neurophysiological facilitation of respiration.
4. Explain the pharmacological drugs used in management of hypertension. Write a note on their side effects.
5. Describe the elements of international standards for a pulmonary rehabilitation program.
6. Describe the guidelines for risk assessment for cardiovascular diseases.
7. Explain cancer related fatigue. Write in detail the physiotherapy assessment and management for the same.
8. What are the different forms of loss of lung volumes? Describe briefly the methods to increase lung volumes along with its physiological rationale.
9. Describe in detail breathing control techniques.
10. What is Oxygen? Enumerate the general goals and objectives of oxygen therapy. Describe the oxygen delivery systems.

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