# Rajiv Gandhi University of Health Sciences, Karnataka

**Second Year Master of Physiotherapy Degree Examination – 02-Nov-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. Classify mechanical ventilators using the characters of conditional variables, control variables and face variables.

2. Enumerate the common interventions used in critical care for neonates with neurological and musculoskeletal dysfunctions.

3. List out types of Endurance promotion activities.

4. Explain the pharmacological drugs used in management of diabetes mellitus. Write a note on their side effects.

5. Evidence based physiotherapy assessment and management of patients with peripheral artery disease.

6. Describe the exercise prescription for obesity and detail the exercise training considerations.

7. Write a note on Bronchial Hygiene Therapy.

8. What is Hydration, Humidification and Nebulization? Classify types of humidifiers and add a note on the indications, complications and methods of humidification.

9. Recent advances in the management of breathlessness.

10. Explain the stages of smoking cessation techniques. What is the role of physiotherapy in cessation of smoking?

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