

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Second Year Master of Physiotherapy Degree Examination – 22-Nov-2024**

**[Time: 3 Hours]**

**[Max. Marks: 100]**

**Basics of Cardiovascular and Pulmonary Sciences - Paper-II (RS-4)**

**Q.P. CODE: 8136**

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. Compare Obstructive and Restrictive Lung diseases using the characters of anatomy affected, breathing phase difficulty, pathophysiology and useful measurements.
2. Describe the peripheral receptors and their role in cardiovascular control.
3. Enumerate and explain 'My Pyramid' for athletes and for sedentary individuals.
4. What is body composition? Describe Behnke's Reference Man and Woman Model.
5. Describe the calculation of MET for different activities.
6. Enumerate the health-related aspects of training.
7. Formulate an exercise prescription for a sedentary individual.
8. Describe wounds and stages of wound healing, write a note of abnormal wounds.
9. Describe the theories of pain.
10. Explain the anaerobic exercise training protocol.

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