

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year Master of Physiotherapy Degree Examination – 12-Nov-2025

[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. Describe the compensatory relationship between bronchial and pulmonary circulation.
2. What is Coronary artery disease? Write a note on the risk factors and pathophysiology.
3. Describe electrical properties of the skin.
4. Enumerate the need of Pre-competition nutrition, with emphasis on timing and composition.
5. Write a note on the role of nutrition in exercise.
6. Describe the exergonic and endergonic chemical processes within the body and their importance.
7. Mention the types of exercise tolerance tests and give its importance.
8. Describe pain. Write a note of acute and chronic pain.
9. Describe the exercise training aspects in a individual with a lifestyle disease.
10. Enumerate the advantages and disadvantages of the anaerobic system.

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