

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year Master of Physiotherapy Degree Examination – 17-Nov-2025

[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. Illustrate a care plan in ICU for a post-organ transplantation patient. Mention about stages of barrier nursing.
2. Enumerate the principles of physical therapy management for Acute Medical Conditions
3. Describe in detail the physiological principles of various devices used for facilitating airway clearance.
4. Explain mechanical aids and their role in decreasing work of breathing.
5. Describe in detail the relevance of improved exercise capacity.
6. Discuss the effect of cardiac drugs on exercise performance.
7. Describe the elements of international standards for a cardiac rehabilitation program.
8. Explain the steps and importance of primary prevention in pulmonary diseases.
9. A 55 year old male with BMI of 34, is referred to physiotherapy for the management of obesity. Write in detail the assessment and management for the same. Add a note on the risk factors of obesity.
10. Elaborate ACSM cancer rehabilitation program.

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