

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Second Year Master of Physiotherapy Degree Examination – 14-Nov-2025**

**[Time: 3 Hours]**

**[Max. Marks: 100]**

**Physical Assessment and Functional Diagnosis of Cardiovascular  
and Pulmonary Sciences - Paper-III (RS-4)**

**Q.P. CODE: 8137**

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 Biochemical markers measured in the ICU and their normative values.
2. Describe the ATS guidelines for PFT testing and interpretation.
3. Discuss the process and steps in POMR.
4. Describe the ECG lead systems using a 12 lead ECG format. Explain the anatomic relationships and coronary arteries involved.
5. Describe the Risk Stratification Criteria based on American Association of Cardiovascular and Pulmonary Rehabilitation (AACVPR).
6. What are the components in screening a burns patient? Add a note on the importance and use of rule of nines.
7. Enumerate the Hematological and biochemical values and interpretations in renal dysfunction.
8. Interpret the methods of exercise testing for strength.
9. Describe the protocols and the interpretation of exercise testing.
10. Explain subjective assessment of pain adding a note on the different types of pain sensations.

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