

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year Master of Physiotherapy Degree Examination – 08-May-2026

[Time: 3 Hours]

[Max. Marks: 100]

Measurement and Assessment in Movement - Paper -III (RS-4)

Q.P. CODE: 8149

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 'Q-angle' and add a critical note on the functional aspects of screw home mechanism.
2. Define and explain lung volumes and capacities. Explain any one pulmonary function test with interpretation.
3. Define reflex and reflex arc. Appraise the theoretical basis of reciprocal inhibition and reciprocal innervation.
4. Describe the principles of movement analysis. Critically appraise qualitative analysis with an example.
5. Describe the principles, techniques, and interpretation of VO₂ Max analysis.
6. Explain with a functional critique glenohumeral motion in terms of angle of torsion and angle of inclination.
7. Enumerate submaximal and supramaximal endurance testing. Add a note on load deformation curve.
8. Describe in detail about the gait evaluation of a person with right spastic hemiplegia in ranchos los amigos scale (confused, inappropriate, non-agitated and memory severely impaired).
9. Describe observational gait analysis in detail.
10. Write a detailed assessment on the examination of the environment and functional status with respect to environment

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