

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

[Time: 3 Hours]

[Max. Marks: 100]

Fundamental Principles of Musculoskeletal Physiotherapy
Paper II (RS-4)
Q.P. CODE: 8130

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. Explain the structure and functions of neuro-muscular system.
2. How would you analyze using the various anthropometry methods to differentiate normal and abnormal curvature of the spine?
3. Explain the concepts of energetics in chronic Osteoarthritis of knee.
4. Discuss the changes in gait in older adults.
5. Explain the adaptation to different system during exercise program.
6. Explain the mechanics and pathomechanics of non-specific neck pain.
7. How would you distinguish the mechanics and pathomechanics of anterior cruciate ligament of knee?
8. Explain the mechanism of control of posture.
9. Discuss the specific pain states and syndrome in musculoskeletal conditions.
10. Explain the biophysical effects of heat in adhesive capsulitis.

* * * * *