Rajiv Gandhi University of Health Sciences, Karnataka

Second Year Master of Physiotherapy Degree Examination – 27-Oct-2026

[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 in detail about the structure of skeletal muscles. Enumerate the types of muscle fibres.

2. Mention about the different ways of assessing body shape and body size in metabolic disorders.

3. Application of Kinetics & Kinematics in Knee joint.

4. Explain in detail about the cardiovascular responses to exercises with acute and chronic adaptation to musculoskeletal system.

5. Add a note on pathomechanics following Grade II ankle sprains.

6. Define posture. Explain the methods to analyse posture in sciatica patients.

7. Define Gait. What are the various methods of biomechanical analysis of gait in elderly population?

8. Explain in detail the assessment tools used in Low Back Pain.

9. Stages of tissue repair and healing following PA shoulder.

10. Enumerate the various modalities used for tissue healing.

* * * * *