

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Second Year Master of Physiotherapy Degree Examination – 06-May-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. Describe the effects strength training in the neuro muscular system
2. Describe the changes seen in neuro muscular system following prolonged bed rest due to spinal fracture.
3. Elaborate the Kinetics & Kinematics of wrist joint following carpal tunnel syndrome.
4. Describe various methods to improve efficiency of movement following on soft tissue injury
5. Describe the bio mechanical changes seen in mobility of lower limbs in people with Tendoachilles tightness.
6. Describe how the soft tissue injuries affected movements.
7. Describe the mechanics of the shoulder following Deltoid injury
8. Describe various changes in lower cross syndrome
9. A 30 year old man comes with a history of pelvic fracture following which he is unable to stabilize his right knee. Describe the pathological gait.
10. Write in detail about the various methods of assessing subjects.

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