

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 Movements and its Dysfunction–Paper-II(RS-4)
Q.P. CODE: 8148

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 connective tissue present in the human joints. Appriase the general effects of injury and disease on connective tissues.
2. Critically discuss the difference between performance and exercise based on exercise and physiology.
3. Describe in detail Vitamin D metabolism and its effects on movement.
4. Explain the kinematic variables that describe movements. Use one example to elucidate.
5. Analyse the functional aspects of the development of Prehension and precision activities of the hand.
6. What is the role of Anthropometric evaluation in occupational settings? Differentiate work hardening and conditioning.
7. What are the Biochemical and physiological changes in exercising based on altitude
8. List and explain motor control theories. Enumerate motor control development through Ontogenic patterns in humans.
9. Explain in detail about the structure of hip joint in relation to weight bearing in bilateral and unilateral stance with emphasis on muscle work.
10. Explain Electron transport chain and its importance in exercise physiology.

* * * * *