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 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. Analyse about the bioavailability of major macronutrients of humans. Add a note on importance for motor function.

2. Explain critically in detail about anatomical basis of movements.

3. List motor control theories. Critically explain in detail about ecological theory and its influence on functional activities.

4. Explain exercise stress test. Add note on ECG under stress.

5. Define dexterity. Discuss the development and deterioration of dexterity in humans.

6. Explain the neurophysiology of postural control.

7. Explain the factors affecting anthropometric evaluation.

8. Define aging. Explain the factors affecting functional mobility in relation with aging.

9. Explain PFT and add a note on its role in movement.

10. Explain in detail about the role of hormones in regulating cardio respiratory response following a stressful event.

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