

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Second Year Master of Physiotherapy Degree Examination – 20-Nov-2024**

**[Time: 3 Hours]**

**[Max. Marks: 100]**

**Fundamentals in Physiotherapy Practice, Pedagogy & Research**

**Paper -I (RS-4)**

**Q.P. CODE: 8129**

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 standardized tests and scales used in assessment of gait.
2. ICMR ethical guidelines.
3. Enumerate different methods of data collection with brief note on observation method and interview method of data collection.
4. Explain the meaning of experimental and control groups in context of research design.
5. Discuss research design in case of hypothesis-testing research studies.
6. Physiological responses to acute and chronic exercise in both hot and cold environments.
7. Explain various experimental research design.
8. Acute and chronic physiological response to exercise in both hot and cold environments.
9. Explain the muscle plasticity in response to neuromuscular electrical stimulation.
10. Explain Tyler's principles and Boom's taxonomy.

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