

QP Code: 101113

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Physical  
Medicine & Rehabilitation (MD) June 2024**

**Paper I – Basic Sciences as Applied to Physical Medicine & Rehabilitation**

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay: (20)**

1. Define the structure and function of a motor unit, neuromuscular junction and muscle fiber. Explain the metabolic aspects of exercise and the principles of therapeutic exercise.

**Short essays: (8x10=80)**

2. CV junction anomalies
3. Gate control theory of pain
4. Y ligament of Bigelow
5. Cardiac abnormalities in neuromuscular disorders
6. Lacunar stroke
7. Aerobic Capacity
8. Pulmonary Function tests
9. Donapezil

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