

**PG Degree Regular/Supplementary Examinations in Physical Medicine & Rehabilitation (MD) January 2025**

**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. Describe the major pathways involved in pain transmission. Discuss the concept of the 'gate control theory' and its significance in pain perception and modulation.

**Short essays:**

**(8x10=80)**

2. Knee joint anatomy.
3. Micturition reflex.
4. Lung Segments and their significance.
5. Types of abnormal gait.
6. Effect of exercise on cardiovascular system.
7. Classification of nerve injuries.
8. Body mass Index – significance.
9. Anti Cholinergics in Neurogenic bladder.

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