

QP Code: 101113

Reg. No.:.....

**PG Degree Examinations in Physical Medicine & Rehabilitation (MD)**  
**April 2018**

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

**Time: 3 hrs**

**Max marks: 100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essay:**

**(20)**

1. Describe the metabolism of calcium and phosphorous. Discuss the types of osteoporosis.

**Short essays:**

**(8x10=80)**

2. Describe neuromuscular junction
3. Broncho-pulmonary segments
4. Drugs used in Parkinson's diseases.
5. Cardiac output
6. Physiological changes after a regular exercise Programme.
7. Describe the biomechanics of throwing
8. Describe the pathophysiology of stroke and mention a few clinical stroke syndromes
9. Classification of nerve injury.

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