

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.
