

QP Code:101184

Reg.No.:.....

**P.G. Diploma Examinations in Physical Medicine & Rehabilitation  
(DPMR) – May 2017**

**Paper I – Basic Sciences as Applied to Physical Medicine & Rehabilitation  
(Anatomy, Physiology, Biochemistry, Pathology, Pharmacology, Biophysics &  
Kinesiology)**

**Time: 3 hrs**

**Max marks:100**

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

**Essay:**

**(20)**

1. Draw and explain the pathway for pain and temperature in human body and its clinical significance.

**Short Essays:**

**(8x10=80)**

2. Serum alkaline phosphatase
3. Explain structure and function of muscle spindle
4. Draw and describe in detail the architecture of the skeletal muscle and explain the sliding filament mechanism
5. Neurotransmitters and their role in human body
6. Sildenafil citrate
7. H reflex
8. Cyclooxygenase II inhibitors
9. Vitamin 'D'

\*\*\*\*\*