

QP Code:101184

Reg.No.:.....

**P.G. Diploma Examinations in Physical Medicine & Rehabilitation  
(DPMR) April 2018**

**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. Describe the knee joint in detail, bursa around it and describe the various types of movements that take place around it.

**Short Essays:**

**(8x10=80)**

2. Draw a labelled diagram of the cross section of the cervical cord at C<sub>5</sub> level with a note on its clinical significance
3. Length tension relationship in skeletal muscle fibre and its significance.
4. Gluconeogenesis
5. Types of skeletal muscle contractions
6. Phenytoin
7. Charcot's joint
8. Methicillin resistant staphylococcus aureus (MRSA)
9. Biologicals in rheumatoid arthritis

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