

**QP Code:101184**

**Reg. No.:.....**

**P.G. Diploma Supplementary Examinations in Physical Medicine & Rehabilitation (DPMR) October 2019**

**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. Discuss the gait cycle. What are the determinants of gait. Add a note on the various pathological gaits.

**Short Essays: (8x10=80)**

2. Middle cerebral artery
3. Selective serotonin reuptake inhibitors
4. Intrinsic plus deformity of the hand
5. Excitation – contraction coupling
6. Creatine phosphokinase
7. Principle used in TENS (Transcutaneous Electrical Nerve Stimulation) modality
8. Stages of wound healing
9. Motor unit action potential

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