

**QP Code:102184**

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

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

**Paper II – Physical Medicine and Rehabilitation Including Physical Modalities,  
Biomedical Instrumentation and Prosthetics & Orthotics**

**Time: 3 hrs**

**Max marks:100**

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

**Essay:**

**(20)**

1. Discuss the 'gate control theory of pain' with illustration and discuss its management and principles with TENS (transcutaneous electrical nerve stimulation)

**Short Essays:**

**(8x10=80)**

2. Frozen shoulder and its management
3. Denervation potentials in EMG
4. Functional electrical stimulation (FES)
5. Types of crutch gait
6. Myoelectric prosthesis
7. Microcellular rubber (MCR)
8. Thermosetting and thermoplastic orthotic materials
9. Syme's amputation and prosthetic fitting

\*\*\*\*\*