

(LI 176)

APRIL 2016

Sub. Code:2070

**M.D. DEGREE EXAMINATION**  
**BRANCH XIX – PHYSICAL MEDICINE AND REHABILITATION**  
**PAPER I – APPLIED BASIC SCIENCES RELATING TO PHYSICAL**  
**MEDICINE AND REHABILITATION**

*Q.P.Code: 202070*

**Time: Three Hours**

**Maximum: 100 Marks**

**Write notes on:**

**I. ANATOMY** **(4 x 5 = 20)**

1. Facial Nerve.
2. Cruciate ligaments of knee joint.
3. Supinators of forearm.
4. Typical vertebra.

**II. PHYSIOLOGY** **(4 x 5 = 20)**

1. Insulin.
2. Saltatory conduction.
3. Intrinsic factor.
4. Types of muscle fibres.

**III. BIOCHEMISTRY** **(3 x 5 = 15)**

1. Vitamin D.
2. Creatinine phosphokinase.
3. Energy sources for anaerobic exercises.

**IV. PHARMACOLOGY** **(3 x 5 = 15)**

1. Hydroxychloroquin.
2. Selective serotonin reuptake inhibitors.
3. Oxybutynin.

**V. MICROBIOLOGY** **(3 x 5 = 15)**

1. Nosocomial infections.
2. Cold abscess.
3. Widal test.

**VI. PATHOLOGY** **(3 x 5 = 15)**

1. Pathology of lobar pneumonia.
2. Avascular necrosis of femoral head.
3. Pancoast tumour.

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