

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. Internal capsule
2. Cross section of spinal cord
3. Intervertebral disc
4. Carpal tunnel

II. PHYSIOLOGY

(4 x 5 = 20)

1. Micturition reflex
2. Refractory period
3. VO₂ Max
4. Cardiac output

III. BIOCHEMISTRY

(3 x 5 = 15)

1. ATP synthesis in a muscle
2. Essential amino acids
3. Vitamin E

IV. PHARMACOLOGY

(3 x 5 = 15)

1. Enumerate drugs for osteoporosis
2. Intrathecal baclofen
3. Anti TNF agents

V. MICROBIOLOGY

(3 x 5 = 15)

1. Bacterial profile of UTI in SCI patients
2. Biomedical waste
3. Cell mediated immunity

VI. PATHOLOGY

(3 x 5 = 15)

1. Bone healing
2. Discuss the primary and secondary injury in TBI
3. Pathogenesis of rheumatoid arthritis.
