

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0522]

MAY 2022

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. VII Cranial Nerve
2. Segments of the Lung
3. Rotator Cuff and its significance
4. Skeletal muscle types and their significance

II. PHYSIOLOGY (4 x 5 = 20)

1. Muscle stretch reflex and Golgi tendon reflex
2. Lung volumes and Capacities
3. Motor unit recruitment
4. Ejection Fraction

III. BIOCHEMISTRY (3 x 5 = 15)

1. Glycolysis
2. Essential Fatty Acids
3. Vitamin K

IV. PHARMACOLOGY (3 x 5 = 15)

1. Enumerate Drugs for RA - DMARDs
2. Oxybutynin
3. Selective Cox 2 inhibitors

V. MICROBIOLOGY (3 x 5 = 15)

1. MRSA infection
2. Herpes Zoster
3. Cytokines

VI. PATHOLOGY (3 x 5 = 15)

1. Factors involved in Tissue Healing
2. Enthesopathy
3. Pathogenesis of Muscular Dystrophy
