

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

[MD 0723]

JULY 2023

Sub. Code: 2070

(MAY 2023 EXAM SESSION)

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. Map cross-section at the level of basal ganglia.
2. Carpal bones.
3. Neuroanatomy of the bladder.
4. Gastrosoleus muscle.

II. PHYSIOLOGY

(4 x 5 = 20)

1. Phases of swallowing.
2. Deep tendon reflex.
3. Sacral reflexes.
4. Sleep cycle.

III. BIOCHEMISTRY

(3 x 5 = 15)

1. Lipid profile.
2. Cystatin C.
3. Homocysteine.

IV. PHARMACOLOGY

(3 x 5 = 15)

1. Modafinil.
2. Doxycycline.
3. Bromocriptine.

V. PATHOLOGY

(3 x 5 = 15)

1. Stages of wound healing.
2. Venous ulcer.
3. Reflux esophagitis

VI. MICROBIOLOGY

(3 x 5 = 15)

1. Dermatophytes.
2. Pseudomonas aeruginosa.
3. Antinuclear Antibody test.
