

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

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2000

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

PAPER I – APPLIED BASIC SCIENCES IN GENERAL MEDICINE

Q.P. Code: 202000

Time : Three Hours

Maximum : 100 Marks

Write Notes on:

I. ANATOMY: (4 x 5 = 20)

1. Venous Drainage of brain.
2. Segments of Liver and its Blood circulation.
3. Lymphatic Drainage of Gastrointestinal Tract.
4. Cross section of Spinal cord at C5 level and its Applied Anatomy.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Physiology of Deglutition.
2. Hemostasis.
3. Anterior Pituitary Hormones and its control.
4. Functions of Carotid body.

III. BIO-CHEMISTRY: (3 x 5 = 15)

1. Free radicals and Antioxidants.
2. Free Fatty Acids and Myocardial Metabolism.
3. Vitamin D and Calcium Metabolism.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Classification of Antifungal Drugs.
2. Newer Anticoagulants.
3. Biologics in Bronchial Asthma.

V. PATHOLOGY: (3 x 5 = 15)

1. Pathology of Amyloidosis.
2. Pathology of Varicocele and its clinical significance.
3. Histopathology of Hodgkin's lymphoma.

VI. MICROBIOLOGY: (3 x 5 = 15)

1. Atypical Mycobacterium Tuberculosis.
2. Classification of Influenza Virus and its clinical significance.
3. Rabies Virus.
