

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

[MD 1022]

OCTOBER 2022

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. Cisterna chyli.
2. Describe Respiratory unit.
3. Bladder Innervation.
4. Cross section of upper medulla and its applied anatomy.

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

1. Countercurrent Mechanism.
2. Endocrine functions of pancreas.
3. Pulmonary Function Test.
4. Physiology of sleep mechanism.

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

1. Neoglucogenesis and its importances.
2. Bilirubin metabolism.
3. Vitamin D new concepts.

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

1. Classify antihypertensive drugs.
2. Newer antimalarial drugs.
3. Anti retroviral drugs.

**V. PATHOLOGY: (3 x 5 = 15)**

1. Pathological changes following Acute Coronary Syndrome.
2. Lupus Nephritis - HPE.
3. Multiple myeloma.

**VI. MICROBIOLOGY: (3 x 5 = 15)**

1. Covid 19 vaccines.
2. Mycoplasma.
3. Immunological changes in HIV infection.

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