

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

[MS 0723]

JULY 2023

Sub. Code: 2214

(MAY 2023 EXAM SESSION)

M.S. DEGREE EXAMINATION

BRANCH I – GENERAL SURGERY

PAPER I – APPLIED BASIC SCIENCES IN GENERAL SURGERY

Q.P. Code: 222214

Time: Three Hours

Maximum: 100 Marks

Write notes on:

I. ANATOMY:

(4 x 5 = 20)

1. Lymphatic drainage of the stomach.
2. Deep cervical fascia.
3. Cartilages of Larynx.
4. Layers of the sole.

II. PHYSIOLOGY:

(4x5=20)

1. Blood Brain Barrier.
2. Functions of the spleen.
3. Gastrointestinal peristalsis.
4. Physiology of deglutition.

III. BIO CHEMISTRY:

(3x5=15)

1. Diabetic Ketoacidosis.
2. RT-PCR.
3. Molecular analysis in colorectal carcinoma.

IV. PHARMACOLOGY:

(3x5=15)

1. EMLA.
2. Targeted therapy.
3. Total Parenteral nutrition.

V. PATHOLOGY

(3x5=15)

1. Immunohistochemistry in tumours.
2. Classification of surgical wounds.
3. Carcinoids.

VI. MICROBIOLOGY:

(3x5=15)

1. Atypical Mycobacteria.
2. H.pylori.
3. Synergistic spreading gangrene
