

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

[MS 0522]

MAY 2022

Sub. Code: 2214

**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. Palmar spaces.
2. Triangles of neck.
3. Anal sphincter.
4. Duodenum.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Gastric acid secretion.
2. ARDS.
3. Islet cells of pancreas.
4. Regulation of biliary secretion.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Hyper calcemia.
2. Biochemical changes in jaundice.
3. Fatty liver syndrome.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Antibiotic prophylaxis in surgery.
2. Somatostatin.
3. Propofol.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Anaphylatic shock.
2. Actinomycosis.
3. Cell mediated immunity.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Auto transfusion.
2. Hypertrophic scar.
3. Toxic shock syndrome.
