

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

[MS 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

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. Blood supply of large bowel.
2. Femoral triangle.
3. Surgical anatomy of rectus sheath.
4. Muscles of the tongue.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Enterohepatic circulation.
2. Micturition reflex.
3. Pituitary hormones.
4. Physiology of saphenous venous system.

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

1. Diabetic Ketoacidosis.
2. Metabolic markers in obesity.
3. Hyperthyroidism.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Proton pump inhibitors.
2. Fluoroquinolones.
3. Premedication.

V. PATHOLOGY: (3 x 5 = 15)

1. ANDI.
2. Necrosis.
3. Frozen section.

IV. MICROBIOLOGY: (3 x 5 = 15)

1. Gas gangrene.
2. Oncogenic viruses.
3. Sterilization techniques.
