

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

[MS 1022]

OCTOBER 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. Facial Nerve and general surgeon.
2. Ischiorectal fossa.
3. Nerve supply of stomach and its importance.
4. Thoracic duct.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Blood – coagulation.
2. Septic shock.
3. Respiration and acid base balance.
4. Functions of thyroid hormones.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Hypocalcaemia.
2. Hemoglobin synthesis.
3. Serum protein.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Steroids in surgery.
2. Vitamin K.
3. Heparin in Surgery.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. Opportunistic infection.
2. Post operative fever.
3. Hepatitis C Virus.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Gas gangrene.
2. Air embolism.
3. GIST.
