

**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. Arcuate ligament.
2. Segments of liver.
3. Layers of the skin.
4. Deep cervical fascia.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Hyponatremia.
2. Adrenal secretion.
3. Thermo regulation.
4. Iodine metabolism.

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

1. Renal function tests.
2. LDH.
3. Glycolysis.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Proton pump inhibitors.
2. Third generation cephalosporin.
3. Combination chemotherapy.

V. MICROBIOLOGY: (3 x 5 = 15)

1. Tetanus.
2. Endotoxin.
3. DNA virus.

VI. PATHOLOGY: (3 x 5 = 15)

1. Desmo plastic reaction.
2. Dystrophic calcification.
3. Trophic ulcer.
