

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. Hepatorenal pouch (Morrison's pouch).
2. Flexor Retinaculum.
3. Blood supply of ureter.
4. Cribriform Fascia.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Physiological events following major trauma / surgery.
2. Pulmonary functions studies.
3. Metabolic functions of liver.
4. Events in Hemostasis.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Ketoacidosis.
2. Vitamin D.
3. Urea cycle.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Proton pump inhibitors.
2. Alkylating agents.
3. Sildenafil.

V. MICROBIOLOGY:

(3 x 5 = 15)

1. KOCH's postulates.
2. Oncogenic Viruses.
3. Chemical agents used in Sterilization.

VI. PATHOLOGY:

(3 x 5 = 15)

1. Paraneoplastic syndromes.
2. Types of Necrosis.
3. Histological types of Breast Cancer.
