

[LS 206]

NOVEMBER 2020

Sub. Code: 2214

(OCTOBER 2020 SESSION)

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. Deep cervical fascia and its surgical importance.
2. Segmental anatomy of liver.
3. Palmar spaces of hand.
4. Perforating veins of lower limb.

**II. PHYSIOLOGY: (4 x 5 = 20)**

1. Thyroid hormones- physiology, biosynthesis.
2. Entero-hepatic circulation of bile salts.
3. Neuro-humoral mechanism of acid secretion in stomach.
4. Renal tubular acidosis.

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

1. Hypercalcemia
2. Tumour markers
3. Serum Alkaline Phosphatase

**IV. PHARMACOLOGY: (3 x 5 = 15)**

1. Short course chemotherapy in tuberculosis.
2. Aromatase inhibitors.
3. Parenteral nutrition.

**V. MICROBIOLOGY: (3 x 5 = 15)**

1. Bacteria involved in surgical infections.
2. Necrotising fasciitis
3. Filariasis

**VI. PATHOLOGY: (3 x 5 = 15)**

1. Pathological fractures
2. Stereotactic biopsy
3. Carcinoma insitu

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