

**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. Submandibular salivary gland.
2. Lymphatic drainage of breast.
3. Recurrent laryngeal nerve.
4. Retropharyngeal space.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Metabolic response to starvation.
2. Blood grouping.
3. Functions of spleen.
4. Physiology of saphenous system.

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

1. Metabolic alkalosis.
2. Phospholipids.
3. Interleukin.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Tamoxifene.
2. Lignocaine.
3. Radiomimetic drugs.

V. MICROBIOLOGY: (3 x 5 = 15)

1. Clostridium Tetani.
2. Hospital infections.
3. HLA typing.

VI. PATHOLOGY: (3 x 5 = 15)

1. Sentinel node biopsy.
2. Mechanism of metastasis.
3. Medullary carcinoma of thyroid.
