

**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. Blood supply, lymphatic supply of stomach.
2. Anatomy of venous drainage of lower limbs.
3. Rectus sheath.
4. Foramen of Winslow.

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

1. Secretions of pancreas.
2. Parathyroid hormone.
3. Entero- hepatic circulation.
4. Gastro intestinal hormones.

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

1. Blood coagulation factors.
2. Ketone bodies.
3. Mutations.

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

1. Bupivacaine.
2. Anti- helicobacter pylori drugs.
3. Aromatase inhibitors.

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

1. Atypical mycobacteria.
2. Opportunistic infections.
3. Laboratory diagnosis of enteric fever.

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

1. Caseous necrosis.
2. Pathological classification of salivary gland tumors.
3. Pathological classification of testicular tumors.

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