

[LI 105]

APRIL 2016

Sub. Code: 2000

**M.D. DEGREE EXAMINATION**  
**BRANCH I – GENERAL MEDICINE**  
**PAPER I – APPLIED BASIC SCIENCES IN GENERAL MEDICINE**

*Q.P. Code :202000*

**Time : Three Hours**

**Maximum : 100 Marks**

**Write Notes on:**

**I. ANATOMY: (4 x 5 = 20)**

1. Venous drainage of rectum and anal canal.
2. Histology of kidney.
3. Development of heart.
4. Nerve supply of tongue.

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

1. Physiology of consciousness.
2. B lymphocyte functions.
3. Mechanism of deglutition.
4. Calcium metabolism.

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

1. Secretory functions of liver.
2. Respiratory alkalosis.
3. Growth hormone stimulation test.

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

1. Insulin analogs.
2. Newer macrolides.
3. Stem cell therapy.

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

1. Pathology of Hodgkin's lymphoma.
2. Malabsorption syndrome.
3. Pathology of rickettsial infections.

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

1. Serology of hepatotropic viruses.
2. Bronchopulmonary aspergillosis.
3. Multi resistant mycobacterium tuberculosis.

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