

(LD 105)

OCTOBER 2013

Sub. Code: 2000

**M.D. DEGREE EXAMINATION  
BRANCH I –GENERAL MEDICINE**

**APPLIED BASIC SCIENCES IN GENERAL MEDICINE**

**Q.P. Code: 202000**

**Time: Three Hours**

**Maximum: 100 marks**

**Write notes on:**

**I. ANATOMY (4X5=20)**

1. Blood supply of Heart.
2. Meckel's Diverticulum.
3. Blood Brain Barrier.
4. Development of Lung.

**II. PHYSIOLOGY (4X5=20)**

1. Splanchnic circulation.
2. Respiratory Alkalosis.
3. Febrinolytic System.
4. Countercurrent multiplier System.

**III. BIO-CHEMISTRY (3X5=15)**

1. Electrophoretic Pattern of Proteins.
2. Lactic Acidosis.
3. Glycogenesis.

**IV. PHARMACOLOGY (3X5=15)**

1. Daptomycin – Indications and Adverse Reactions.
2. Fibrates – Indications and side effects.
3. Sodium Nitroprusside.

**V. MICROBIOLOGY (3X5=15)**

1. Serologic Tests for Syphilis.
2. Pathologic species and Diagnostic Laboratory Tests.
3. Laboratory Tests for Cryptococcus.

**VI. PATHOLOGY (3X5=15)**

1. Silicosis and Lung.
2. Morphology of ASD.
3. Berger's disease and IgA Nephropathy.

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