

(LI 171)

APRIL 2016

Sub. Code:2065

**M.D. DEGREE EXAMINATION**  
**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**  
**PAPER I – APPLIED BASIC SCIENCES IN TUBERCULOSIS AND**  
**RESPIRATORY DISEASES**

*Q.P.Code: 202065*

**Time: Three Hours**

**Maximum: 100 Marks**

**Write notes on:**

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

1. Development of Bronchogenic cyst.
2. Broncho pulmonary segments.
3. Azygos lobe.
4. Thoracic duct.

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

1. Six minute walk test.
2. Prone ventilation.
3. Exhaled nitric oxide.
4. Venturi devices.

**III. BIOCHEMISTRY: (3 x 5 = 15)**

1. Anion Gap.
2. Inflammatory mediators in COPD.
3. D – Dimer.

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

1. Sites of actions of Anti TB drugs.
2. Surfactant replacement therapy.
3. N acetyl Cysteine.

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

1. Malignant pleural lesions.
2. Neuro endocrine tumors of the lung.
3. Pancoast Tumor.

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

1. Gram negative pulmonary pathogens.
2. Influenza virus.
3. Mucormycosis.

\*\*\*\*\*