

(LK 171)

MAY 2017

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. Lymphatic Drainage of Lung.
2. Applied anatomy of superior vena-cava.
3. Intercostal space.
4. Development of sequestration of lung.

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

1. DLCO.
2. High altitude pulmonary adaptations.
3. Flow volume loop.
4. Fio 2.

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

1. Respiratory Acidosis.
2. Rapid Acetylation in INH.
3. CRP – (C – reactive protein).

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

1. Compare merits and demerits of inhaled corticosteroids.
2. Interactions of Theophylline.
3. Anti – Pseudomonal Penicillin.

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

1. Benign Mediastinal Lesions.
2. Solitary fibrous tumor of the pleura.
3. Pathological changes in COPD.

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

1. Extended spectrum beta lactamases.
2. Clinically significant Non – TB mycobacteria.
3. Respiratory syncytial virus.

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