

(LC 171)

APRIL 2013

Sub. Code: 2065

M.D. DEGREE EXAMINATION

BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE

APPLIED BASIC SCIENCES IN TUBERCULOSIS AND RESPIRATORY
DISEASES

Q.P. Code: 202065

Time: Three Hours

Maximum: 100 marks

Write notes on:

I. ANATOMY

(4X5=20)

1. Attachments and openings of the diaphragm
2. Pulmonary Sequestration
3. Acinus
4. Broncho-pulmonary segments

II. PHYSIOLOGY

(4X5=20)

1. Dynamic Hyperinflation
2. Cough reflex
3. J Receptors
4. Alveolar Arterial Oxygen Gradient

III. BIOCHEMISTRY

(3X5=15)

1. Potassium Channels
2. Muscarinic Receptors
3. Composition of Surfactant

IV. PHARMACOLOGY

(3X5=15)

1. Nicotine replacement therapy
2. Newer Rifampicins
3. Linezolid

V. PATHOLOGY

(3x5=15)

1. Eosinophilic Pneumonia
2. Desquamative Interstitial Pneumonia
3. Mesothelioma

VI. MICROBIOLOGY

(3x5=15)

1. Aspergillosis
2. Mucormycosis
3. Pneumocystis Pneumonia
