

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 the lung
2. Oesophageal duplication cyst
3. Applied Anatomy of angle of Louis
4. Bronchial Isomerism

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

1. Zones of perfusion of lung
2. Types of hypoxia
3. DLCO
4. Lung function changes in ILD

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

1. Oxygen Toxicity
2. Haldane effect
3. Calculation of oxygen delivery (DO_2)

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

1. Varenicline Hydrochloride
2. Nintedanib
3. Cycloserine

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

1. Langerhans cell Histiocytosis
2. Bronchogenic cysts
3. Bronchiolitis obliterans organizing pneumonia (BOOP)

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

1. Pseudomonas Aeruginosa
2. Nocardia
3. Pneumocystis Jirovecii
