

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2065

M.D. DEGREE EXAMINATION

BRANCH XVII – 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. Alveolar Epithelium.
2. Blood supply of Lungs.
3. Pleural Recesses.
4. Development and Congenital Anomalies of Trachea.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Peak Expiratory Flow Rate (PEFR).
2. Lecithin – Sphingomyelin Ratio.
3. Oxygen Dissociation Curve.
4. Anion Gap.

III. BIOCHEMISTRY:

(3 x 5 = 15)

1. Alpha-1 Anti Trypsin.
2. Procalcitonin.
3. Adenosine Deaminase.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Anti – IgE Antibody.
2. Gene Therapy.
3. Moxifloxacin.

V. PATHOLOGY:

(3 x 5 = 15)

1. Sarcoid Granuloma.
2. Reid index.
3. Askin tumor.

VI. MICROBIOLOGY:

(3 x 5 = 15)

1. Next Generation Sequencing.
2. Respiratory Syncytial Virus.
3. Photochromogens.
