

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

[MD 1223]

**DECEMBER 2023
(OCTOBER 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. Pleura.
2. Mucociliary escalator.
3. Trachea.
4. Pulmonary ligaments.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Haemoglobin dissociation curve.
2. Methemoglobinemia.
3. Maximum breathing capacity.
4. Alveolar gas equation.

III. BIOCHEMISTRY: (3 x 5 = 15)

1. Inflammatory markers.
2. Interferon Gamma.
3. Cytokine storm.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Indacaterol.
2. Monoclonal antibodies in Asthma.
3. Amphotericin.

V. PATHOLOGY: (3 x 5 = 15)

1. Granuloma.
2. Pathology of Lung injury in COVID illness.
3. Classification of Lung malignancy.

VI. MICROBIOLOGY: (3 x 5 = 15)

1. Mycobacterium avium intracellulare.
2. Mycormycosis.
3. Structure of Covid virus.
