

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

[DM 0822]

AUGUST 2022

Sub. Code :1496

D.M. – PULMONARY MEDICINE

**Paper I – BASIC SCIENCES APPLIED TO PULMONARY MEDICINE
AND CRITICAL CARE**

Q.P. Code: 161496

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Structure, functions and pathology of secondary pulmonary lobule.
2. Control of pulmonary circulation.

II. Write notes on: **(10 x 7 = 70)**

1. Airway resistance.
2. Dead space.
3. Immune responses to aspergillus.
4. Equal pressure point.
5. Structure of SARS-COV2 virus.
6. Oxygen transport in blood.
7. Pathogenesis of tobacco addiction.
8. EBUS elastography.
9. Principles of allergen immunotherapy.
10. Rituximab.
