

QP Code:101515

Reg. No.:.....

**D.M. (Pulmonary Medicine) Degree Regular/Supplementary
Examinations December 2025**

**Paper I – Applied Basic Science in Relation to General Medicine & Pulmonary
Medicine**

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Describe the control of respiration. Write a note on obesity hypoventilation

Short essays: (8x10=80)

2. Describe the alveolar capillary unit. Write a note on classification of interstitial lung disease.
3. Write a note on 'diaphragm' and 'assessment of diaphragmatic function'.
4. Describe 'CO₂ transport in blood'.
5. Write a note on cough receptors. Describe how you will evaluate a 40 year-old male with chronic cough, normal physical examination and chest x-ray.
6. Write a note on 'observational studies'.
7. Write a note on epidemiology of bronchial asthma with emphasis on India.
8. Write a note on physiology at high altitude. Describe the evaluation of a patient undertaking air travel.
9. Anatomy and physiology of the pleural space.
