

QP Code:101515

Reg. No.:.....

**D.M. (Pulmonary Medicine) Degree Regular/Supplementary
Examinations April 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 mechanical properties of the lung. Add a note on tests to determine lung volumes. Describe the changes in lung volumes during health and disease.

Short essays:

(8x10=80)

2. Mechanism of dyspnea.
3. Describe the role of kidney in acid base balance.
4. Epigenetics.
5. Compare longitudinal and cross sectional studies.
6. Describe the physiological changes during pregnancy and add a note on asthma in pregnancy.
7. Humeral deficiency and the lung.
8. Describe the cardio respiratory changes during sleep.
9. Physiological changes during diving.
