

QP Code:101515

Reg. No.:.....

**D.M. (Pulmonary Medicine) Degree Regular/Supplementary
Examinations August 2022**

**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 in brief the components of lung immunity. Describe the approach to lung infection after bone marrow transplant.

Short essays: (8x10=80)

2. Function of the diaphragm and its assessment
3. Physiological changes during air travel. Describe the evaluation for a patient with lung disease travelling by air.
4. Angiotensin converting enzyme and the lung
5. Describe closing volume, its measurement and its relevance in lung disease.
6. Define cross sectional and longitudinal studies. Enumerate the differences.
7. 'Mediastinal node stations'.
8. The principles of ultrasound and role of ultrasound in diagnosing pneumothorax.
9. Epigenetics
