

Q P Code: 101515

Reg. No.:.....

**D.M. (Pulmonary Medicine) Degree Regular/Supplementary
Examinations September 2020**

**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. Discuss the normal process of respiration and describe the oxygen uptake in the blood and elimination of CO₂ from the body. Add a note on various forms of hypoxia.

Short essays: (8x10=80)

2. Physiological changes in lung at high altitude and pathophysiology of high altitude pulmonary edema
3. Oxygen dissociation curve
4. Assessment of patient fitness for thoracic surgery
5. Newer targets for treatment of asthma
6. Airway remodeling in asthma
7. Normal cellularity of BAL fluid and its utility for management of interstitial lung disease
8. Hypersensitivity pneumonitis
9. Nucleic acid amplification (NAA) detection tests for diagnosis of tuberculosis
