

QP Code: 101118

Reg. No.:.....

**PG Degree Supplementary Examinations in Pulmonary Medicine (MD)
November 2021**

**Paper I – Applied Aspects of Anatomy, Physiology, Biochemistry, Pathology,
Pathophysiology, Microbiology & Radiology of TB & Chest Diseases**

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 blood gas barrier of human lung. Draw microscopic picture - name its functions and clinical applications.

Short essays:

(8x10=80)

2. Define airway resistance. Factors determining and measurement of airway resistance
3. Physiological changes of respiratory system during pregnancy
4. Mediastinal lymph node anatomy, draw and label each station
5. Central and peripheral chemo receptors
6. Explain in detail the formation and drainage of pleural fluid in a normal individual
7. Physiological response of respiratory system to exercise
8. Evaluation of patient with diaphragmic dysfunction
9. Describe West's zones of lung
