

**QP Code: 101118**

**Reg. No.:.....**

**PG Degree Supplementary Examinations in Respiratory Medicine  
(M.D) April 2026**

**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. Describe the normal sleep architecture. Describe the polysomnography of obstructive sleep apnea and central sleep apnea.

**Short essays: (8x10=80)**

2. Silhouette sign.
3. Cor-pulmonale.
4. Ultra sound signs of pneumothorax.
5. Ultra structure of cilia.
6.  $\text{VO}_2$  max.
7. Histological stages of development of lung.
8. Type II respiratory failure.
9. Chest X-ray signs of collapse of each lobes. Add diagrams.

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