

**Q.P.Code: 101189**

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

**P.G Diploma Examinations in Tuberculosis and chest Diseases  
(DTCD) – June 2012**

**Paper I – Basic Sciences as Applied to TB & Chest Diseases**

**Time:3hrs**

**Max marks:100**

- **Answer all questions**

**Essays: (20)**

1. Describe pulmonary defense mechanism.

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

2. Alpha 1 anti trypsin deficiency
3. Pulmonary surfactant
4. Closing volume
5. Rifabutin
6. Bacteriology of ventilator associated pneumonia
7. Respiratory and cardiac physiology of sleep
8. Immotile cilia
9. Ultrasonography of chest

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