

QP Code:

Reg.No.:.....

MD Degree Examinations in Pulmonary Medicine

(Model Question Paper)

**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*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Discuss defense mechanism of lung.

Short essays:

(8X10=80)

2. Lung compliance
3. Newer diagnostic tools for tuberculosis
4. O₂ dissociation curve
5. Hyperlucent lung on chest_X-ray
6. Role of sputum examination in lung disorders
7. Role of eosinophyl in lung disease
8. Mechanism of granuloma formation in TB
9. Equal pressure point

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**Paper II – Pulmonary Tuberculosis & Extrapulmonary tuberculosis including
Epidemiology and Control Programme**

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Discuss the evolution and diagnosis of MDR-TB. Describe DOTS plus in the context of XDR-TB

Short essays:

(8X10=80)

2. Clinical manifestation of abdominal TB
3. Non tubercular mycobacteriosis
4. Broncho-pleural fistula
5. Hepatotoxic anti TB drugs
6. Lag period
7. Lymphnode TB
8. Appriaisal of RNTCP
9. Post TB sequelae

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Paper III – Non Tuberculous Respiratory diseases.

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Discuss the management of chronic persistent asthma

Short essays:

(8X10=80)

2. Pathogenesis and diagnosis of silicosis
3. Preoperative pulmonary evaluation
4. Thoracoscopic lung volume reduction
5. Non specific interstitial pneumonia
6. Pulmonary infections in HIV patient
7. Newer antifungal agents
8. Wegeners granulomatosis
9. Obstructive sleep apnoea

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Paper IV – Recent Advances in Respiratory Diseases including Clinical Immunology & Air Pollution

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Discuss the diagnosis, management and prevention of ventilator associated pneumonia

Short essays:

(8X10=80)

2. Impact of air pollution on lung health
3. Assessing cost-effectiveness in medicine
4. Non-invasive ventilation
5. Newer phosphodiesterase inhibitors
6. Natural calamity and lung health
7. Assessing quality of life in COPD
8. Diagnosis of acute lung injury
9. Fraction of expired nitric oxide (FENO)
