

**POST GRADUATE EXAMINATION, JUNE - 2021**

**MD RESPIRATORY MEDICINE  
(PAPER ONE)**

**BASIC SCIENCES AS APPLIED TO PULMONARY MEDICINE**

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**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Describe the anatomical aspects of Broncho-pulmonary segments. (20)
- Q. 2.** Enlist the various lung defense mechanisms. Discuss anatomy and functions of cilia. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Therapeutic indications of bronchoscope
  - b. Pulmonary Arterio-venous malformations.
  - c. Bronchogenic cysts
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Flow volume curves for upper airway disorders
  - b. BODE index
  - c. Ultra long acting Beta-2 adrenergic agonists
  - d. Smoking Cessation
  - e. Impulse Oscillometry

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**POST GRADUATE EXAMINATION, JUNE - 2021**

**MD RESPIRATORY MEDICINE  
(PAPER TWO)**

**PRINCIPLES AND PRACTICE OF TUBERCULOSIS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Discuss pathogenesis of tuberculosis & management of a previously treated case of tuberculosis who has again come with constitutional symptoms & sputum smear positive for AFB. **(20)**
- Q. 2.** Describe phenotypic and genotypic methods of identification of mycobacterium tuberculosis. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- Classify neurological tuberculosis. Discuss diagnosis of TB Meningitis (TBM)
  - Discuss diagnostic dilemma in tuberculosis with pregnancy & its management
  - Discuss lymphadenitis caused by NTM (Non Tuberculous Mycobacteria) & Management
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- Diagnostic utility of fiberoptic bronchoscopy in pulmonary TB
  - Isoniazid monoresistance
  - Brief note on the role of medical colleges in the control of Drug Resistant-TB
  - Bedaquiline
  - Airborne infection control in TB ward

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**MD RESPIRATORY MEDICINE  
(PAPER THREE)**

**DISEASES OF RESPIRATORY SYSTEM OTHER THAN TUBERCULOSIS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Discuss etiopathogenesis and management of pulmonary thromboembolism. **(20)**

**Q. 2.** Discuss in detail the management of non-small cell lung cancer. **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. Surgical management of empyema
- b. Management of COPD as per recent GOLD guidelines
- c. Management of malignant pleural effusion

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. Obesity and lung.
- b. Pirfenidone in interstitial lung diseases
- c. Loeffler's syndrome
- d. Extra-pulmonary manifestations of sarcoidosis
- e. Cryptogenic organizing pneumonia

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**POST GRADUATE EXAMINATION, JUNE - 2021**

**MD RESPIRATORY MEDICINE  
(PAPER FOUR)**

**BASIC PRINCIPLES OF MEDICINE AS RELATED TO TUBERCULOSIS AND RESPIRATORY  
DISORDERS AND RECENT ADVANCES IN PULMONARY MEDICINE**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1. Role of ultrasonography in management of chest diseases. (20)
- Q. 2. Classify diffuse pulmonary lung diseases (DPLD). Discuss clinical presentation and management of Idiopathic pulmonary fibrosis. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Targeted chemotherapy in NSCLC
  - b. Non- metastatic complications of carcinoma lung
  - c. NIV in respiratory disease
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. TNF alpha inhibitors in pulmonary disorders
  - b. Roflumilast
  - c. Prophylactic cranial irradiation in lung cancer management
  - d. Pneumocystis jiroveci pneumonia
  - e. Bronchial thermoplasty

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