

POST GRADUATE EXAMINATION, JANUARY-2025
MD RESPIRATORY MEDICINE
(PAPER ONE)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
 Illustrate with suitable diagrams.

Q. 1. Describe about Embryonic development of lung. (20)

Q. 2. Enumerate causes of acute severe breathlessness. Discuss anyone in details. (20)

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

- a. Smoking cessation
- b. Superior Vena cava syndrome
- c. Define diffusion. Describe diffusion capacity of carbon monoxide and its clinical implications.

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

- a. Use of Phosphodiesterase inhibitors in respiratory diseases.
- b. Immotile – cilia syndrome
- c. Flow volume loops
- d. Bronchoalveolar lavage in pulmonary diseases.
- e. Morgagni hernia

X

POST GRADUATE EXAMINATION, JANUARY-2025
MD RESPIRATORY MEDICINE
(PAPER TWO)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** How do you manage a case of MDR TB in a child who is 4 year old with weight of 14 kg. **(20)**
- Q. 2.** Define Pre XDR and XDR tuberculosis. Describe the management of drug resistant tuberculosis as per National programme. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Management of TBI (TB Infection).
 - b. Adverse effects seen by first line antitubercular drugs.
 - c. What is CB-NAAT (Cartridge Based Nucleic Acid Amplification Test) principles? What are its advantages?
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Bedaquiline
 - b. Poncet's disease
 - c. Open negative syndrome
 - d. Vaccine for tuberculosis
 - e. Rasmussen's aneurysm

X

POST GRADUATE EXAMINATION, JANUARY-2025
MD RESPIRATORY MEDICINE
(PAPER THREE)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Define sarcoidosis. Discuss etiopathogenesis, clinical manifestations and management of sarcoidosis. (20)

Q. 2. Define hemorrhagic effusion. Discuss etiology and management of malignant pleural effusion. (20)

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

- a. Immunotherapy – current status in the management of bronchial asthma.
- b. Coal workers pneumoconiosis
- c. Evaluation and management of an 18 year old lean thin boy with recurrent pneumothorax.

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

- a. Complications of obstructive sleep apnoea (OSA).
- b. Radiological signs of Bronchiectasis
- c. Non-tobacco risk factors for lung cancer
- d. Tumor doubling time
- e. Clinical signs of consolidation

X

POST GRADUATE EXAMINATION, JANUARY-2025

MD RESPIRATORY MEDICINE (PAPER FOUR)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the etiopathogenesis and management of CO₂ - narcosis. (20)

Q. 2. Define CAP, HAP and VAP. Describe management of a patient having nosocomial pneumonia. (20)

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

- a. Lung transplantation –Indication, Contraindication and complications.
- b. Management of moderate COVID
- c. Airway stents

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

- a. ICE IN LUNG
- b. EBUS
- c. Different types of Research design.
- d. HFNC
- e. Impulse oscillometry

X