

POST GRADUATE EXAMINATION, APRIL/MAY-2022

MD RESPIRATORY MEDICINE

(PAPER ONE)

BASIC SCIENCES AS APPLIED TO PULMONARY MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the role and types of surfactant in lung. Enumerate diseases related to it. **(20)**

Q. 2. Describe diagnostic and therapeutic indications of bronchoscope. **(20)**

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

- a. Smallest radiological and functional unit of lung.
- b. Diseases of posterior mediastinum
- c. Diffusion study

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

- a. Bronchogenic Cyst
- b. Flow volume loops
- c. Role of Air pollution in respiratory disease
- d. Use of Phosphodiesterase inhibitors in respiratory diseases
- e. MMRC

X

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**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.** Describe programmatic management of Multi Drug Resistant Tuberculosis. **(20)**
- Q. 2.** What is the impact of HIV on tuberculosis and vice versa? Discuss the management of a patient suffering from TB – HIV. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Molecular basis of resistance of antitubercular drugs
 - b. Role of steroids in tuberculosis
 - c. Management of NTM
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. MANTOUX TESTING vs IGRA
 - b. Causes of hemoptysis in tuberculosis
 - c. Drugs that can be safely given or avoided with BEDAQUILLINE
 - d. Signs of KOCH's abdomen
 - e. Rise and fall phenomenon

X

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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. Define chronic obstructive pulmonary disease according to GOLD. Describe the risk factors, classification and management of a patient of COPD according to Gold guidelines. **(20)**

Q. 2. Describe the treatment options for a patient with stage IIb non-small cell carcinoma lung. Discuss TNM 8 classification and staging of non-small cell carcinoma lung. **(20)**

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

- a. Discuss causes and management of empyema
- b. Eosinophilic pneumonia
- c. Management of a patient with type 2 respiratory failure

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

- a. CURB scoring
- b. VAPING
- c. Pulmonary embolism severity scoring
- d. Rivaroxaban
- e. Non cardiogenic pulmonary edema

X

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**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. Enumerate lymph node stations of thorax. Describe indications and contraindications of EBUS. (20)

Q. 2. Describe etiopathogenesis, clinical features and management of pulmonary edema. (20)

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

- a. ECMO
- b. Type of Covid Vaccines
- c. Bronchial thermoplasty

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

- a. Enumerate various radiological presentation of a patient with COVID 19
- b. Skin Prick testing
- c. Chronic Breathlessness syndrome
- d. FENO
- e. TRACHEOBRONCHIAL STENTING

X