

POST GRADUATE EXAMINATION, MAY- 2020

MD PULMONARY MEDICINE

(PAPER ONE)

BASIC SCIENCES AS APPLIED TO PULMONARY MEDICINE

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe both short term and long term health hazards of air pollution in relation to respiratory system. **(20)**

Q. 2. Describe newer non-invasive and minimal invasive diagnostic methods for various common respiratory diseases. Discuss how those diagnostic procedures/can be used for diagnosis and staging of lung cancer. **(20)**

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

- a. Antismoking steps in clinics
- b. Non respiratory functions of lung
- c. Lung defense mechanism by lower respiratory tract

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

- a. Newer anticholinergic drugs
- b. Measurement of small airway function
- c. Oxygen dissociation curve
- d. Permissive hypercapnea
- e. Reid's index

X

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MD PULMONARY 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 drug resistant tuberculosis (PMDT). **(20)**

Q. 2. Describe in details about complications and sequelae of pulmonary tuberculosis. **(20)**

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

- a. Various culture techniques for mycobacterium tuberculosis
- b. Clinical features, diagnosis and management of female genital tuberculosis
- c. 'STOP TB' strategy

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

- a. Describe various primary foci of tuberculosis in various organs
- b. Immune reconstititional inflammatory syndrome
- c. Montoux test v/s IGRA
- d. Management of pulmonary tuberculosis in 20 weeks pregnant woman
- e. Neurotoxic anti-tubercular drugs

X

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MD PULMONARY 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 COPD & its staging as per the GOLD guidelines. Discuss management of acute exacerbation of COPD. **(20)**

Q. 2. How will you manage a case of hospital acquired pneumonia in ICU? **(20)**

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

- a. Inflammatory mediators of asthma and their role in pathogenesis of asthma
- b. Management of ARDS
- c. Classification of DPLDs and how will you investigate a case of IPF

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

- a. Water-Lily sign
- b. TNM classification in lung carcinoma
- c. Tension pneumothorax
- d. Indications of fiberoptic bronchoscopy
- e. Extra-pulmonary manifestations of sarcoidosis

X

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**MD PULMONARY 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. What is medical thoracoscopy? Discuss its indications and contraindications. **(20)**

Q. 2. Describe in detail about types of stents used in respiratory diseases. Discuss various indications of stents in respiratory disorders. **(20)**

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

- a. Anti-inflammatory therapies in COPD
- b. Clinical manifestations of swine flu
- c. Recent trends in management of IPF

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

- a. Apnoea-hypopnea index (AHI)
- b. Tumor markers in lung cancer
- c. Prone positioning in ARDS
- d. Radial probe endobronchial ultrasound
- e. Talc pleurodesis

X