Paper ID- 271

POST GRADUATE EXAMINATION, MAY - 2016

MD PULMONARY MEDICINE

(PAPER ONE)

BASIC SCIENCES AS APPLIED TO PULMONARY MEDICINE

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe microscopic anatomy of airway and lungs. **(20)**

Q. 2. Discuss congenital malformations of lungs. **(20)**

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

a. Ventilation perfusion ratio

b. SVC – syndrome

c. Lung compliance

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

a. Toxicity of aminoglycoside

b. Virtual bronchoscopy

c. Bronchogenic cyst

d. Spiral CT pulmonary angiography

e. Complications of kyphoscoliosis

X

Paper ID- 272

POST GRADUATE EXAMINATION, MAY - 2016

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. What are latest RNTCP guidelines for diagnosis of MDR and XDR TB? Discuss pretreatment evaluation and its importance. **(20)**

Q. 2. What are different drug sensitivity tests? Discuss genotypic methods in detail. **(20)**

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

a. Pathogenesis of tubercles

b. Classification of non tuberculous mycobacteria

c. Drug interactions of rifampicin

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

a. Bedaquiline

b. Lupus vulgaris

c. Routes of infection of tuberculosis

d. Chemoprophylaxis of contacts of smear positive TB patients.

e. Interpretation of montoux test

X

Paper ID- 272

POST GRADUATE EXAMINATION, MAY - 2016

MD PULMONARY MEDICINE

(PAPER TWO)

PRINCIPLES AND PRACTICE OF TUBERCULOSIS

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Illustrate with suitable diagrams.

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c. Routes of infection of tuberculosis

d. Chemoprophylaxis of contacts of smear positive TB patients.

e. Interpretation of montoux test

X

Paper ID- 273

POST GRADUATE EXAMINATION, MAY - 2016

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. Discuss etiopathogenesis and management of sarcoidosis. **(20)**

Q. 2. Define and classify bronchial asthma. Discuss modern day management of bronchial asthma. **(20)**

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

a. Hepatic hydrothorax

b. Pulmonary rehabilitation in COPD

c. Lung pathologies caused by aspergillus

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

a. Catamenial pneumothorax

b. Pirfenidone

c. Byssinosis

d. Alveolar cell carcinoma

e. Invasive management of hemoptysis.

X

Paper ID- 274

POST GRADUATE EXAMINATION, MAY - 2016

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. Describe the criteria for diagnosis of obstructive sleep apnea and its management. **(20)**

Q. 2. Discuss new driven mutations of non-small cell lung cancer. Describe the drugs used as targeted therapy to treat non-small cell lung cancer (NSCLC). **(20)**

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

a. Asthma COPD overlap syndrome.

b. Indications of mechanical ventilation in respiratory diseases.

c. Strategies used for prevention of ventilator associated pneumonia.

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

a. Delamanid

b. Gefitinib

c. Definition of 'SEPSIS' syndrome

d. E-cigarette

e. Viral pneumonia

X

Paper ID- 271

POST GRADUATE EXAMINATION, MAY - 2017

MD PULMONARY MEDICINE

(PAPER ONE)

BASIC SCIENCES AS APPLIED TO PULMONARY MEDICINE

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Describe indications and interpretation of pulmonary function tests. **(20)**

Q. 2. Discuss role of HRCT in diagnosis of pulmonary diseases. **(20)**

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

a. Discuss pulmonary lymphangioleiomyomatosis

b. Discuss congenital bronchiectasis

c. Discuss trans-bronchial needle aspiration (TBNA)

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

a. Decortication

b. Bronchoalveolar lavage (BAL)

c. Gene x-pert

d. Smoking cessation

e. Long term oxygen therapy

X

Paper ID- 272

POST GRADUATE EXAMINATION, MAY - 2017

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 wherever required

Q. 1. Discuss etiopathogenesis and management of Pott's spine. **(20)**

Q. 2. Classify mycobacteria. Discuss diseases caused by atypical mycobacteria and their management. **(20)**

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

a. Syndromes caused by rifampicin
b. Open negative syndrome
c. Line probe assay

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

a. Adverse effects of BCG vaccination
b. Lag period
c. Bedaquiline
d. Differential diagnosis of military mottling on chest X-ray
e. Walgreen's chart for tuberculosis

X

Paper ID- 273

POST GRADUATE EXAMINATION, MAY - 2017

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 wherever required

Q. 1. Classify interstitial lung diseases. Discuss their CT scan findings and treatment. **(20)**

Q. 2. What is respiratory failure? Discuss causes, types, clinical features and treatment. **(20)**

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

a. Non thrombotic pulmonary embolism

b. Pathogenesis of diseases caused by alpha-1 antitrypsin deficiency

c. Respiratory manifestations of rheumatoid disease

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

a. Hypertrophic pulmonary osteoarthropathy

b. Polysomnography

c. Treatment of pneumocystis jiroveci pneumonia

d. H_1N_1 influenza

e. Trephinic biopsy

X

Paper ID- 274

POST GRADUATE EXAMINATION, MAY - 2017

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 wherever required

Q. 1. Describe obstructive sleep apnea. **(20)**

Q. 2. Indications and complications of lung transplantation. **(20)**

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

a. Management of community acquired pneumonia

b. Indication and contraindications of non-invasive mechanical ventilation

c. Thoracoscopy in diagnosis and treatment aspects of respiratory disease

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

a. High altitude pulmonary oedema

b. Tracheobronchial stenting

c. Weaning from mechanical ventilation

d. E-cigarette

e. LVRS

X