

5577

M. D. Examination, 2010**T. B. AND RESPIRATORY MEDICINE****Paper - I****(Basic Sciences)**

Time : Three Hours]

Maximum Marks :100

Note:- Answer all questions.

1. Discuss Epithelium of airways and lungs and its implications in various diseases diagnosis and management. 20
2. Describe inhalation kinetics and its implications in Aerosol Therapy. 20
3. Describe arterial blood gases values in a normal person of 46 years of age and compare them with same age patient suffering from pneumonia, Asthma, Copd and IPF.

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4. Write shorts notes on:

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- (a) Interleukin-6.
- (b) Alveolar macrophages.
- (c) Pulmonary compliance.
- (d) Assessment of ventilation/perfusion inequality.

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M. D. Examination, 2010

T. B. AND RESPIRATORY MEDICINE

Paper - II

(Tuberculosis)

Time : Three Hours]

Maximum Marks :100

Note:- Answer all questions.

1. Write in detail International standards for tuberculosis care. 25
2. Discuss the evolution of primary tuberculosis. 25
3. Write mechanism of development of drug resistance tuberculosis, its types and management of M. D. R. T. B. 25
4. Write short notes on:
 - (a) HIV and T. B. conjunction. 10
 - (b) Newer Vaccine for T. B. 5
 - (c) Corticosteroids in T. B. 5
 - (d) Drug interaction with Rifampicin. 5

100

5579

M. D. Examination, 2010

T. B. AND RESPIRATORY MEDICINE

Paper - III

(Chest Diseases)

Time : Three Hours]

Maximum Marks :100

1. Discuss the epidemiology diagnosis and current treatment of bronchial asthma.
2. Discuss the aetiology, classification, diagnosis and treatment of non small cell Lung Cancer.
3. Write short notes on:
 - (a) Allergic Bronchopulmonary aspergillosis.
 - (b) Staging of COPD.
 - (c) Diagnosis and treatment of Idiopathic pulmonary fibrosis.

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M. D. Examination, 2010

T. B. AND RESPIRATORY MEDICINE

Paper - IV

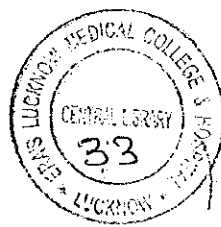
(Recent Advances, Sleep Medicine)

Time : Three Hours]

Maximum Marks :100

1. Discuss recent advances in Pathogenesis and management of chronic obstructive pulmonary disease (COPD). 30
2. Discuss occupational related causes of interstitial lung disease (ILD) and its management. 30
3. Write short notes on:
 - (a) Complication of medical ventilation.
 - (b) Onchogenesis in lung cancer.
 - (c) Soft steroid.
 - (d) DOTs plus (Current status).

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4483

M. D. Examination, 2011

T B + Chest
ANAESTHESIA

Paper I

(Basic Sciences as Related to
Pulmonary Medicine)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions. All questions carry equal marks. Illustrate your answer with suitable diagrams.

1. Describe causes, investigations and management of hoarseness of voice.
2. Discuss etiology, diagnosis and staging of pleural mesothelioma.
3. Describe asbestos related lung disease and its management.

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4. Write a note on indications and side effects of oxygen therapy.
5. Describe in brief management of pulmonary hypertension.
6. Describe in brief drug induced pulmonary eosinophilia.
7. Write briefly about inhalation fever.
8. Discuss sleep disordered breathing.
9. Write in brief about cryptic tuberculosis.
10. Describe a general approach to interstitial lung disease.

100

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4484

M. D. Examination, 2011

CHEST AND TUBERCULOSIS

Paper II

**(Principles and Practice of Pulmonary
Medicine)**

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. Discuss causes only of mediastinal mass.
2. Provide examples of organic dust disease.
Describe in brief about farmer's lung.
3. Give the diagnosis and management of stable COPD.
4. Discuss complication of drug resistant pulmonary tuberculosis.

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5. Write a note on pneumocystis jirovecii pneumonia.
6. Describe the pathogenesis and management of pulmonary edema.
7. List causes of pulmonary effusion and outline light's criteria for distinguishing pleural transudate from exudate.
8. Give the indications and evaluation of a patient undergoing lung transplantation, enumerate the various complications associated with it.
9. Describe algorithm for investigations of patients with suspected pulmonary embolism.
10. Give the management of patient with aspiration pneumonias.

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M. D. Examination, 2011**CHEST AND TUBERCULOSIS****Paper III****(Preventive and Social Aspects of Pulmonary
Medicine and Tuberculosis)**

Time : Three Hours] [Maximum Marks : 100

Note : Attempt all questions. All questions carry equal marks.

1. Write a note on upper and lower airway defences.
2. Discuss investigations in a case of bronchogenic carcinoma.
3. Describe respiratory functions testing.
4. Draw the major bronchial divisions and the fissure and lobes and segments of the lungs.

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5. Discuss chronic exertional dyspnoea.
6. Discuss management of advanced lung disease unresponsive to medical treatment.
7. Discuss the cellular and structural components responsible for asthmatic inflammatory process.
8. Discuss genetics, pathogenesis and epidemiology of cystic fibrosis.
9. Describe the management of XDR tuberculosis.
10. Describe the clinical features Allergic Broncho-Pulmonary Aspergillosis [ABPA].

4486

M. D. Examination, 2011**CHEST AND TUBERCULOSIS****Paper IV**

(Recent Advances as Related to Pulmonary Medicine)

Time : Three Hours] [Maximum Marks : 100

Note : Attempt all questions. 10x10=100

1. Discuss recent advances in investigations of assessment of risk factors for venous thromboembolism.
2. Discuss clinical assessment of acutely breathless patient.
3. Discuss assessment and management of type II respiratory failure.

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4. Discuss investigations only of Solitary Pulmonary Nodule.
5. Outline investigations of Diffuse Parenchymal Lung Disease (DPLD).
6. Describe Cryptogenic Eosinophilic Pneumonia.
7. Outline stepwise approach to management of Asthma.
8. Write in brief about psychogenic breathlessness and hyperventilation syndrome.
9. Discuss sleep apnoea-hyponoea syndrome.
10. Describe causes, investigation and management of bronchiectasis.

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3093

M. D. Examination, 2012

T. B. AND RESPIRATION MEDICINE

Paper - I

**(Basic Science, Applied Anatomy/
Physiology)**

Time : Three Hours]

[Maximum Marks : 100

Note :- Attempt all questions. All questions carry equal marks.

1. Discuss briefly the role of genetics in various respiratory disorders. 20
2. Discuss the types, composition and role of pulmonary surfactant in lung defense. 20
3. What are the various stages of development of the respiratory system? Briefly describe the anatomy of the diaphragm. 20

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4. What are small airways? Discuss the various tests available for small airways dysfunction. 20
5. What are the various pathogenetic mechanisms responsible for the occurrence of hypoxia. 20

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3094

M. D. Examination, 2012

T. B. AND RESPIRATION MEDICINE

Paper - II

(Tuberculosis)

Time : Three Hours] [Maximum Marks : 100

Note :- Attempt all questions. All questions carry equal marks.

1. What are the causes of chronic cough? How would you approach a patient with chronic cough? 20
2. Describe briefly the pathogenesis and management of high altitude pulmonary edema. 20
3. What are the components of cardiopulmonary rehabilitation? Briefly describe each of these components. 20
4. What is the role of nuclear medicine in pulmonary disorders? 20

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5. What are the various rapid diagnostic tests utilized for various non-tuberculous respiratory infections? Briefly describe the diagnostic role of each of these tests. 20

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3095

M. D. Examination, 2012

T. B. AND RESPIRATORY MEDICINE

Paper - III

(Chest Diseases)

Time : Three Hours]

[Maximum Marks : 100

Note :- Attempt all questions. All questions carry equal marks.

1. What is XDR Tuberculosis? Describe the principles of treatment of resistant tuberculosis. 20
2. Outline the definition, classification, pathogenesis and management of vocal cord dysfunction. 20
3. What are the various manifestations of aspergillus infection of the respiratory system? Describe the principles of diagnosis and therapy of these infections. 20

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4. Briefly describe the staging, diagnostic evaluation and therapy of non-small cell lung cancer. 20
5. Describe the pathophysiology, diagnostic methods and clinical features of hypoventilation syndromes. 20

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3096

M. D. Examination, 2012

T. B. AND RESPIRATION MEDICINE

Paper - IV

(Recent Advance)

Time : Three Hours]

[Maximum Marks : 100

Note :- Attempt all questions. All questions carry equal marks.

1. What is the principle of lung volume reduction surgery? Describe the role of airway stenting in the management of emphysema. 20
2. What are the various targeted ^{therapeutic} therapeutic modalities in Lung Cancer? 20
3. What is the role of biomarkers in septic shock? 20
4. What are the recent guidelines for classification and treatment of idiopathic interstitial pneumonias? 20
5. Describe the therapeutic applications of bronchoscopy. 20