

## RESPIRATORY DISEASES

### PAPER – I

Time : 3 hours  
Max. Marks : 100

RPD/D/10/42/I

Attempt all questions in order.  
Each question carries 10 marks

Write short notes on:

1. Drug treatment of pulmonary artery hypertension.
2. Prophylaxis in venous thrombo-embolism.
3. Transfusion related acute lung injury.
4. Pathogenesis and clinical features of rheumatoid lung.
5. Diastolic heart failure.
6. What is metabolic syndrome? Discuss its association with obstructive sleep apnea.
7. ANCA associated vasculitis. Discuss in brief Wegener's granulomatosis.
8. Management of hepatic hydrothorax.
9. Systematic approach to evaluation of a patient with breathlessness.
10. Management of a case of severe malaria with acute lung injury.

## RESPIRATORY DISEASES

### PAPER – II

Time : 3 hours

Max. Marks : 100

RPD/D/10/42/II

Attempt all questions in order.  
Each question carries 10 marks.

Write short notes on:

1. Components, aims, objectives and achievements of RNTCP Programme.
2. Enumerate important causes of indoor air pollution and discuss in brief their effects on lung health.
3. Epidemiology of obstructive sleep apnea.
4. Enumerate risk factors for developing tuberculosis. Outline important preventive strategies of tuberculosis.
5. Prevention and treatment of H<sub>1</sub>N<sub>1</sub> influenza.
6. Differential diagnosis of pulmonary alveolar hemorrhage.
7. Tuberculin test with specific reference to its epidemiological significance.
8. Clinical classification of various drug induced lung diseases.
9. Impact of HIV infection on the epidemiology of tuberculosis in the developing countries.
10. Risk factors and microbiological agents causing community acquired pneumonia.



## RESPIRATORY DISEASES

### PAPER – III

Time : 3 hours  
Max. Marks : 100

RPD/D/10/42/III

Attempt all question in order.  
Each question carries 10 marks.

Write short notes on:

1. XDR TB
2. Palliative care in terminally ill with respiratory diseases.
3. Causes and differential diagnosis of non-malignant pleural effusion.
4. Ventilator management strategies in ARDS.
5. Positive pressure therapy in the treatment of OSA – efficacy and complications.
6. Surgical interventions for the management of advanced chronic obstructive lung diseases.
7. Enumerate the common mimics of asthma and their features which are important in the differential diagnosis.
8. Drug treatment of sarcoidosis.
9. Tropical pulmonary eosinophilia: etiology, clinical features and management.
10. How will you assess and monitor severity of COPD?

## RESPIRATORY DISEASES

### PAPER – IV

Time : 3 hours  
Max. Marks : 100

RPD/D/10/42/IV

Attempt all question in order.  
Each question carries 10 marks.

Write short notes on:

1. Oxygen uptake, transport and utilization in critically ill patients.
2. Clinical applications of spirometry.
3. Role of ultrasonography in respiratory diseases.
4. What are aerosols? Discuss the properties of aerosols that are important in inhalational therapy.
5. Define respiratory failure. What are the types of respiratory failures and list important causes and differentiating features for each?
6. Contraindications to use of non-invasive positive pressure ventilation (NIPPV).
7. Indications, contraindications and complications of medical thoracoscopy.
8. What is surfactant? Discuss its clinical utility.
9. Diagnosis and treatment of metabolic alkalosis.
10. Anatomical and physiological changes in the lungs in pregnant women.