

**Diplomate of the National Board  
Respiratory Medicine  
2000**

**Each question carries 10 marks  
Write short notes on**

**PAPER I**

- 1. Causes of Intrapulmonary Haemorrhage**
- 2. Pulmonary changes in congestive heart failure**
- 3. Compensation of metabolic acid base disorders**
- 4. Risk factors for acute respiratory distress syndrome**
- 5. Prevention of post-operative pulmonary complications**
- 6. Carbon monoxide poisoning**
- 7. Diagnosis of pulmonary embolism**
- 8. Disseminated intravascular coagulation**
- 9. Management of cobra bite**
- 10. Management of Landry Guillain Barre Syndrome**

**PAPER II**

- 1. Describe the histology of the lung in a patient dying of acute severe asthma. What is the management of acute asthma? How will you manage episodic asthma? (25 marks)**
- 2. Write short notes on (5 × 15 each)**
  - a. Carcinogens in tobacco smoke**
  - b. Role and limitation of penicillin in community acquired pneumonia**
  - c. The genetic basis of cystic fibrosis**
  - d. Oxygen concentrators**
  - e. Role of heparin in pulmonary thrombo-embolism.**

### **PAPER III**

- 1. Discuss in detail the control of breathing. Write in brief on sleep disordered breathing. (25 marks)**
  
- 2. Describe briefly the following (5 × 15 each)**
  - a. Macleod's syndrome**
  - b. Modes of artificial ventilation**
  - c. Pleurodesis**
  - d. Hypersensitivity pneumonitis**
  - e. Pulmonary sequestration**

### **PAPER IV**

- 1. Discuss the natural history of HIV infection and the immunological abnormalities associated with it. Discuss the management of pneumocystis carinii pneumonia.**
  
- 2. Write short notes on (5 × 15 each)**
  - a. Tumor suppressor genes.**
  - b. Minimum inhibitory concentration of antibiotics.**
  - c. Rapid diagnosis of rifampicin resistance**
  - d. Assessment of activity of alveolitis in interstitial lung disease.**
  - e. Elastase/anti-elastase theory in the pathogenesis of asthma.**