

02/01/25

Printing Page (s): 1

SVSU/2024/R-C

Paper Code: MD-146

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**M D-Respiratory Medicine**  
**Paper – I**

(General pulmonary medicine and basic sciences)

[Time: 3:00 Hours]

[Max. Marks: 100]

**Note: Attempt all questions. Draw well labeled diagrams wherever necessary.**

**1. (Long Essay)**

- (a) Define MDR and XDR tuberculosis. Describe [15]  
management of MDR tuberculosis as per national  
tuberculosis elimination program.
- (b) Describe the risk factors, assessment and [15]  
management of acquired  
bronchiectasis.

**2. (Short Note Essay)**

- (a) Non-respiratory functions of lung [10]
- (b) Obesity hypoventilation syndrome [10]
- (c) Secondary pulmonary lobule [10]

**3. (Short Notes)**

- (a) Cough syncope [10]
- (b) BODE index [10]
- (c) Type-2 pneumocyte [10]
- (d) Pulmonary sequestration [10]

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04/01/25

Printing Page (s): 1

SVSU/2024/R-B

Paper Code:MD-147

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## **M D-RESPIRATORY MEDICINE**

### **Paper – II**

(CLINICAL PULMONARY MEDICINE INCLUDING MEDICAL EMERGENCIES)

**[Time: 3:00 Hours]**

**[Max. Marks: 100]**

**Note: Attempt all questions. Draw well labeled diagrams wherever necessary.**

### **1. (Long Essay)**

- (a) Discuss causes, diagnosis and management approach [15]  
of a patient with hemoptysis.
- (b) Discuss Causes, risk factors, clinical features, [15]  
diagnosis, staging and treatment approach of Lung  
Cancer.

### **2. (Short Note Essay)**

- (a) Genome sequencing [10]
- (b) EBUS [10]
- (c) Acute severe asthma [10]

### **3. (Short Notes)**

- (a) Navigation bronchoscopy [10]
- (b) Six-minute walk test [10]
- (c) Pathophysiology of PHTN [10]
- (d) Surfactant [10]

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06/01/25

Printing Page (s): 1

SVSU/2024/R-B

Paper Code:MD-148

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## **M D-RESPIRATORY MEDICINE**

### **Paper – III**

**(CLINICAL PULMONARY MEDICINE INCLUDING CRITICAL CARE)**

**[Time: 3:00 Hours]**

**[Max. Marks: 100]**

**Note: Attempt all questions. Draw well labeled diagrams wherever necessary.**

### **1. (Long Essay)**

- (a) Discuss an approach to diagnosis and management [15]  
of a patient with acute onset dysphonia.
- (b) Discuss Causes, etiopathogenesis, physiology, [15]  
complications, diagnosis and management of  
bronchiectasis.

### **2. (Short Note Essay)**

- (a) PRVC [10]
- (b) Post intensive care syndrome [10]
- (c) Role of AI in detecting sepsis and its management [10]

### **3. (Short Notes)**

- (a) Newer antifibrotic drugs [10]
- (b) Tidal lung hysteresis [10]
- (c) Robotic Bronchoscopy [10]
- (d) Oxygen toxicity [10]

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08/01/25

Printing Page (s): 1

SVSU/2024/R-B

Paper Code:MD-149

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**M D-RESPIRATORY MEDICINE**

**Paper – IV**

**(RECENT ADVANCES IN PULMONARY MEDICINE  
AND RESEARCH METHODOLOGY)**

**[Time: 3:00 Hours]**

**[Max. Marks: 100]**

**Note: Attempt all questions. Draw well labeled diagrams wherever necessary.**

**1. (Long Essay)**

- (a) Discuss sleep disordered breathing, its diagnosis and [15] management.
- (b) Discuss Causes, etiopathogenesis, diagnosis and [15] management of infective pleural effusion.

**2. (Short Note Essay)**

- (a) Aspiration pneumonia [10]
- (b) Organophosphorus poisoning [10]
- (c) Phase 1,2 3 clinical trial [10]

**3. (Short Notes)**

- (a) Allergy Immunotherapy [10]
- (b) Difficult Asthma [10]
- (c) FOT [10]
- (d) Inhaled antibiotics [10]

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