

**RESPIRATORY MEDICINE**  
**PAPER-III**

TIME: 3 HOURS  
MAX. MARKS: 100

RDD/D/18/42/III

**Important Instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write Short notes on:**

1. a) Cell mediated immunity in tuberculosis. 5+5  
b) BCG vaccination.
2. a) Immune reconstitution inflammatory syndrome (IRIS). 5+5  
b) Current status of surgery for drug resistant tuberculosis.
3. a) Diagnosis of tubercular pericardial effusion. 5+5  
b) INH mono-resistance: Drug treatment and implication on TB control.
4. a) Diagnosis of pulmonary non-tubercular mycobacterial (NTM) infection. 5+5  
b) Use of first line anti-tuberculosis drugs in chronic kidney disease(CKD).
5. a) Mention different sleep questionnaires in identifying subjects at risk of obstructive sleep apnoea. 5+5  
b) Management of obesity hypoventilation syndrome.
6. a) What is Berlin definition of ARDS? 3+7  
b) Discuss lung protective ventilation.
7. a) Indications of Bedaquiline and its adverse effects. 5+5  
b) Clinical utility and adverse effects of linezolid.
8. a) Management of massive hemoptysis. 6+4  
b) Diagnosis of CMV pneumonia.

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| 9.  | a) What is barotrauma?   | 5+5 |
|     | b) Strategies of mechanical ventilation in patients with acute severe asthma.  |     |
| 10. | a) Rapid diagnosis of drug resistant tuberculosis.                             | 5+5 |
|     | b) Diagnosis and treatment of hepatotoxicity due to anti-tuberculosis therapy. |     |

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