

RESPIRATORY DISEASES
PAPER – III

Time : 3 hours
Max. Marks : 100

RPD/D/17/D/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:

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| 1. | a) Definition of obstructive sleep apnea (OSA).
b) Risk factors for OSA.
c) Clinical presentation of OSA. | 2+3+5 |
| 2. | a) Positive airway pressure therapies in OSA.
b) Intraoral devices in OSA. | 6+4 |
| 3. | a) Definition of obesity hypoventilation syndrome (OHS)
b) Diagnosis of OHS.
c) Treatment of OHS. | 2+3+5 |
| 4. | a) Definition of Acute Respiratory Distress syndrome (ARDS).
b) Low tidal volume ventilation strategy in ARDS.
c) Prone positioning in ARDS. | 2+5+3 |
| 5. | a) Indications for long-term oxygen therapy.
b) Indications for oxygen therapy in air travel. | 6+4 |
| 6. | a) Indicators of potential difficult airway.
b) Extraglottic airway devices. | 5+5 |
| 7. | a) Pressure support ventilation.
b) Causes of weaning failure.
c) Complications of mechanical ventilation. | 3+3+4 |

P.T.O.

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| 8. | <ul style="list-style-type: none">a) Natural history of TB infection.b) Atypical chest radiograph patterns in tuberculosis.c) Fluorochrome based acid-fast staining of mycobacteria | 4+4+2 |
| 9. | <ul style="list-style-type: none">a) Diagnosis of latent TB infection (LTBI)b) Decision to treat LTBIc) Treatment of LTBI | 4+2+4 |
| 10. | <ul style="list-style-type: none">a) Clinical presentation of Non tuberculosis mycobacteria infectionb) Treatment of pulmonary M.avium complex. | 6+4 |
