

RESPIRATORY MEDICINE

PAPER-I

Time: 3 hours
Max. Marks:100

RPD/J/19/42/I

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) Secondary lobule. 5+5
b) Type 2 Alveolar epithelial cell.
2. a) Mucociliary clearance in health and disease. 5+5
b) Development of lung.
3. a) Residual volume and Closing volume. (3+3)+4
b) Dynamic compression of the airways.
4. a) Cough reflex. 5+5
b) J receptors.
5. a) Oxy-haemoglobin dissociation curve. 5+5
b) Body plethysmography.
6. a) Broncho-provocation testing. 5+5
b) Impulse Oscillometry.
7. a) Long term oxygen therapy. 4+3+3
b) Oxygen toxicities.
c) Lung diseases and air travel.
8. a) Renal contribution to acid base balance. 4+3+3
b) Utility of Anion Gap.
c) Urine Anion Gap.
9. a) Innate Immunity in the lung. 5+5
b) Lung macrophage.
10. a) Odds ratio. 3+4+3
b) Randomization methods.
c) P value.
