

RESPIRATORY MEDICINE
PAPER-I

TIME: 3 HOURS
MAX. MARKS: 100

RPD/D/18/42/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) Impulse oscillometry. 5+5
b) Diffusing capacity of the lungs for carbon monoxide (DLCO).
2. a) Course of Superior Vena Cava (SVC). 5+5
b) What are the causes of SVC obstruction and its clinical manifestations?
3. a) What is respiratory failure? 3+7
b) Different types of respiratory failure.
4. a) Pathogenesis of exudative pleural effusion. 7+3
b) Differential diagnosis of exudative pleural effusion.
5. a) Bohr effect. 5+5
b) Diaphragmatic eventration.
6. a) Bronchodilator reversibility testing. 5+5
b) Targets for biological agents for treatment of asthma.
7. a) What is high altitude pulmonary oedema? 3+7
b) How will you manage such a case?
8. a) Diagnosis of cystic fibrosis. 5+5
b) Diagnosis of sequestration of lung.
9. a) Case control study. 5+5
b) Non-tobacco risk factors for COPD.
10. There has been an explosion with demolition of a large building. As a doctor you want to know the impact of the demolition on the respiratory health of the neighbors. How do you plan a research study for that? 10
