

TUBERCULOSIS & RESPIRATORY DISEASES/PULMONARY MEDICINE

PAPER – I

RPD/APRIL/16/42/I

Time : 3 hours

Max. Marks : 100

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. Various parameters used in the assessment of oxygen uptake, transport and utilization of critically ill patient. 4+4+2
2. What is a systematic review? Outline its role in clinical medicine. 4+6
3. Define anion gap. Briefly describe its application in the interpretation of arterial blood gas analysis. 2+8
4. Outline the lymphatic drainage of lung. Enumerate and briefly describe lymphatic disorders of the respiratory system. 3+7
5. Pathogenesis, diagnosis and management of pleuropulmonary amoebiasis. 3+4+3
6. Enumerate respiratory disorders of high altitude and describe the mechanism of its pathogenesis. 3+7
7. Pathogenesis, clinical features and diagnosis of broncho-pulmonary sequestration. 4+3+3
8. Pulmonary surfactant and its role in disease. 5+5
9. Indications and modalities of cardio-pulmonary exercise testing. 4+6
10. Define airway remodeling and outline the mechanisms involved in its pathogenesis. 2+8
