

**TUBERCULOSIS & RESPIRATORY DISEASES / PULMONARY MEDICINE**

PAPER – I

RPD/D/15/42/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.	a) Respiratory and non respiratory complications of falciparum malaria. b) How would you manage such a patient?	6+4
2.	Molecular biology of lung cancer and its impact on treatment of lung cancer.	6+4
3.	Normal sleep stages and physiological changes seen in various organ systems.	5+5
4.	Normal physiological changes during pregnancy and its impact on treatment during shock state.	7+3
5.	Pathophysiology and evaluation of acute respiratory failure.	5+5
6.	Clinical features, diagnosis and management of H1N1 influenza.	3+3+4
7.	a) What is the new definition of ARDS? b) Causes, pathogenesis and diagnosis of ARDS.	2+(3+3+2)
8.	Modes of mechanical ventilation and their setting in ARDS and COPD.	6+4
9.	a) Odd's ratio b) Standard Error c) Various types of Data	3+3+4
10.	Etiopathogenesis and diagnosis of chronic obstructive pulmonary disease (COPD).	5+5

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