Write short notes on:

1. a) Manifestations of tubercular empyema.
   b) Difference between tubercular empyema and pleural effusion.

   6+4

2. a) List post-tubercular sequelae in lungs and pleura.
   b) Diagnosis and management of aspergilloma.

   4+6

   b) Drug interactions of rifampicin.

   6+4

4. a) Effects of HIV positivity on manifestations of pulmonary tuberculosis.
   b) BCG vaccination.

   6+4

5. a) Levels and devices for diagnosis of sleep-disordered breathing.
   b) Metabolic and cardiovascular complications of obstructive sleep apnea.

   5+5

6. a) Diagnostic tools for ventilation associated pneumonia.
   b) Drug management of acinetobacter infection in ICU patients.

   5+5

7. a) Rapid sequence intubation.
   b) Mallampati Classification of airway.

   7+3

8. a) Weaning failure.
   b) Complications of tracheostomy.

   5+5

9. a) Diagnosis of tubercular pericardial effusion.
   b) Causes of acute respiratory acidosis.

   5+5

10. a) Brain death
   b) Barotrauma during mechanical ventilation.

   5+5