Write short notes on:

1. Measures of diagnostic test accuracy and disease probability.  
2. Respiratory system mechanics and their monitoring in the ICU.  
3. Causes, pathogenesis and treatment of drug induced ILD.  
4. a) Pregnancy and asthma  
   b) Pregnancy and pulmonary hypertension  
5. Enumerate causes of noncardiogenic pulmonary edema and discuss treatment of high altitude pulmonary edema.  
8. Acute radiation syndrome.  
9. Discuss drugs for prophylaxis of:  
   a) Influenza  
   b) Pneumocystis jiroveci  
10. Ambient air pollution and COPD.