Write short notes on:

1. a) Home Sleep Testing.  
   b) Indications for Polysomnography.  
2. Role of spirometry in the diagnosis of respiratory diseases.  
3. Indications, contraindication and therapeutic uses of fibreoptic bronchoscopy.  
4. a) PFT in children  
   b) Evaluation of small airways  
5. Various invasive and non invasive methods of hemodynamic monitoring in ICU.  
6. a) Bronchial Thermoplasty  
   b) Brachytherapy  
7. Role of bedside ultrasound and echocardiography in the evaluation of critically ill patient.  
8. Recent advances in the ventilatory management of ARDS.  
   b) Role of imaging in differentiating them.  
10. Role of cardiopulmonary exercise testing in the evaluation of patient with chronic lung disease.  

POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.