Write short notes on:

1. a) Merits and demerits of concurrent chemo-radiation.  
b) Enumerate the sites where concurrent CT-RT is the standard of care.  

2. a) What are the goals of palliation in a cancer patient?  
b) What aspects will you take care of in a terminally ill cancer patient admitted in your ward for the past one week?  

3. a) What is APBI (Accelerated Partial Breast Irradiation)?  
b) What are its indications?  
c) What are the methods that have been used in literature to deliver APBI?  

4. How will you treat a case of carcinoma nasopharynx T3N1M0 (WHO type III) in a 45 year old male with history of diabetes for the last 4 years with good performance score (KPS – 80).

5. a) Define the levels of lymph nodes in the neck.  
b) What are the guidelines for delineation of LN bearing regions (i.e high risk and low risk CTV) in the neck?  

6. How will you treat a pregnant woman diagnosed with stage IB cancer cervix during her pregnancy?  

7. Indications, dose schedules and results of targeted therapy in renal cell carcinoma.  

8. a) Rationale of using hormone therapy in breast cancers.  
b) What are its indications?  
c) Role of Anastrazole in post menopausal breast cancers.

9. How would you treat stage I seminoma of testes? Describe the radiation portals and dose schedule?

10. a) Enumerate various skull base tumors.  
b) How will you treat skull base chordoma?