Write short notes on:

1. a) Rationale and types of neo-adjuvant therapy in solid tumor management.  
   b) Role of neo-adjuvant therapy in the management of locally advanced breast cancer.

2. a) Indications, regimes and impact on survival of adjuvant chemotherapy in colon cancer.  
   b) Role of pre-operative chemo-radiation in the management of rectal cancer.

3. a) Types and role of tumour markers in the management of testicular tumors.  
   b) Types and role of tumour markers in the management of differentiated thyroid cancer.

4. a) Various types of maxillectomy.  
   b) Reconstruction and rehabilitation of post maxillectomy patient.

5. a) Enumerate various techniques for non-surgical management of hepatic metastases.  
   b) Role and technique of chemo-embolization for hepatic metastases.

6. Indications, types and techniques of nerve sparing surgery for:  
   a) Parotid tumors  
   b) Rectal cancer  
   c) Testicular tumours

7. Diagnosis, management and familial syndromes associated with medullary thyroid cancer.
8. a) Aetiopathogenesis and management of superior vena cava syndrome.
b) Management options for obstructing rectal cancer.

9. Voice preserving therapy for laryngeal cancer:
a) Workup and patient selection criteria for voice preserving therapy.
b) Various types of surgical procedures for voice preservation.

10. Malignant surgical obstructive jaundice:
a) Causes and investigational modalities.
b) Pros and cons of preoperative stenting in patients with resectable pancreatic cancer.