

**SURGICAL ONCOLOGY**

PAPER – III

SURG. ONCO/D/16/47/III

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Principles of a Positron Emission Tomography (PET) scan. 4+2+4  
b) List the isotopes used.  
c) Current indications for PET-CT in solid tumour.
2. a) What are the advantages of Robotic Surgery in Oncology? 4+(2+2+2)  
b) Trans Oral Robotic Surgery – indications, advantages and limitations.
3. a) What is “Bone Bank”? Comment on its usefulness in oncology. 5+5  
b) Modular prosthesis.
4. a) Bladder preservation strategies in muscle invasive urinary bladder cancer. 5+5  
b) Extended pelvic nodal dissection in urinary bladder cancer.
5. a) Newer classifications of hysterectomy. 5+5  
b) Nerve sparing radical hysterectomy.
6. a) Functional anatomy of the liver as relevant to liver resections. 6+4  
b) Nomenclature of liver resections.
7. a) Accelerated partial breast irradiation - Principles and indications. 5+5  
b) Hypofractionation in post mastectomy radiotherapy.
8. a) Current status of HIPEC (Hyperthermic Intraperitoneal Chemotherapy) in ovarian cancer. 5+5  
b) Complications of HIPEC.
9. a) Hormone Receptor Testing in breast cancer. 5+5  
b) FISH testing for HER2/neu in breast cancer.
10. a) Recent molecular understanding of epithelial ovarian cancers. 5+5  
b) Surgery in gestational trophoblastic neoplasm.

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