**SURGICAL ONCOLOGY**

**PAPER – III**

SURG.ONCO/J/15/47/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 tables/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) What is HIPEC? 
   b) Principles, indications, contraindications and the malignancies wherein it has made definite survival benefit.

   b) Internal Hemipelvectomy.

3. a) Interval cytoreduction in epithelial ovarian cancer.
   b) Role of neoadjuvant chemotherapy in Head and neck cancer.

4. a) What are the newer anti-HER-2 agents after trastuzumab? 
   b) Their mechanism of action, indication and clinical evidence for their use.

5. a) Short course radiation therapy in rectal cancer – indications & advantages.
   b) Role of MRI in response evaluation after radiation in rectal cancer.

6. a) Define pathologic complete response (pCR)
   b) What is its clinical & prognostic significance?
   c) Factors that contribute to pCR in breast cancer.

7. a) What are the ‘bridging therapy’ available in treatment of hepatocellular cancer? 
   b) TACE.

8. a) What is ovarian ablation/suppression for breast cancer? 
   b) How is ovarian ablation/suppression useful in women with breast cancer and what is the evidence from literature?
   c) Fulvestant
9. a) What is genetic counseling? Write in detail the steps involved.
b) Indication for gene testing in patients with breast cancer.

10. a) What is the concept of ‘fertility preservation’ in patients with cancer?
b) Fertility Preservation Guidelines for men and women and indicate the most successful option.