

**SURGICAL ONCOLOGY**

PAPER – I

SURG. ONCO/J/15/47/I

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) What are the platinum compounds? b) Write about their mechanism of action, their indications and toxicity.	2+(4+2+2)
2.	a) What is Ki-67? b) How is it evaluated? c) Write about its importance in 2 malignancies.	2+2+(3+3)
3.	a) Define chemoprevention. b) Role of chemoprevention in: i. Breast cancer. ii. Head and neck cancer. iii. Colorectal cancer.	2+(3+3+2)
4.	a) What are retroviruses? b) Mechanisms of retroviral oncogenesis.	3+7
5.	a) What is the concept of 'Sentinel Node Biopsy'? b) Techniques available to detect sentinel node(s). c) Discuss two malignancies wherein it has made significant impact.	2+3+5
6.	a) What is 'adjuvant therapy'? b) What are the available modalities? c) List the malignancies in which chemotherapy has made significant survival benefits.	3+3+4
7.	a) What is brachytherapy? b) What is the principle behind brachytherapy? c) What are the types of brachytherapy? d) What are the advantages and limitations of HDR (High Dose Rate) brachytherapy?	2+2+1+5
8.	a) What is the definition of margin? b) Define the types of margin. c) Management of positive margin after breast conservation.	2+3+5 <b>P.T.O.</b>

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9.	a) What is Randomized Clinical Trial? Discuss its advantages. b) Power of test.	5+5
10.	a) Non-inferiority trials. b) 'P' value.	5+5

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