

SURGICAL ONCOLOGY

PAPER – I

SURG.ONCO/D/16/47/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) How does Tobacco cause cancer? 3+3+4
b) List the Tobacco related cancers.
c) Mention strategies for Tobacco Cessation programmes.
2. a) What are mitotic spindle agents? 3+3+4
b) Write about the cancers wherein they are used. Also mention their toxicity.
c) Write about 2 newer drugs in this group.
3. a) What is Brachytherapy? Write the principles of Brachytherapy. 4+2+4
b) Indications for brachytherapy.
c) Differences between low dose rate and high dose rate brachytherapy.
4. a) Different levels of evidence. 5+5
b) p-value
5. a) Define tumour markers. 1+3+(3+3)
b) Usefulness of tumour markers in clinical practice.
c) Write in detail about any 2 tumour markers.
6. a) What are tumour suppressor genes and their functions? 4+2+4
b) List the tumour suppressor genes.
c) Write in detail about any one tumour suppressor gene.
7. a) Principles of organ conservation in Oncology. 5+5
b) Evolution of breast conserving therapy for carcinoma breast.
8. a) What are neuroablative procedures used in pain relief? 4+(3+3)
b) Write in detail about any 2 such procedures.
9. a) What are oncogenic viruses? 4+2+4
b) Classify and list them.
c) Write in detail about any one such virus.
10. a) What is palliative care? 4+6
b) Setting up of a Hospice Care in India.
