

**SURGICAL ONCOLOGY**

PAPER – III

SURG. ONCO/D/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 table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

1.	Accelerated partial breast irradiation – techniques, indications and evidence.	4+3+3
2.	Robotics in surgical oncology: a) Principles and techniques. b) Pros and Cons. c) Current applications.	2+2 2+2 2
3.	Radiofrequency ablation of tumors: a) Mechanism and technology b) Current application (sites) c) Role in liver tumors	4 2 4
4.	PET-CT in oncology: a) Molecular principle. b) Current applications. c) Isotopes used in different tumors.	3 4 3
5.	Recent randomized trials from India: a) One trial in early breast cancer from India. b) Role of surgery in metastatic breast cancer.	5 5
6.	Intra Peritoneal Chemotherapy: a) Indications. b) Technique. c) Evidence. d) Complications.	2 3 3 2
7.	Recent advances in management of advanced melanoma.	10
8.	Endoscopic Ultrasound: a) Principles and technique. b) Current uses. c) Diagram showing Layers of Oesophagus.	2+2 4 2
		<b>P.T.O.</b>

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9. Endoscopic Mucosal Resection (EMR): a) Current applications with criteria for selection. b) Technique & Results.	4 3+3	
10. Recent Revision of Japanese Gastric Cancer Treatment Guidelines (2010): a) Types of surgery. b) Extent of Gastric resection. c) Extent of lymph node resection.	3 3 4	

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