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

P.T.O.
<table>
<thead>
<tr>
<th>Question</th>
<th>Marks</th>
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<tr>
<td>9. Endoscopic Mucosal Resection (EMR):</td>
<td>4</td>
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<tr>
<td>a) Current applications with criteria for selection.</td>
<td>3+3</td>
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<td>b) Technique &amp; Results.</td>
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<tr>
<td>a) Types of surgery.</td>
<td>3</td>
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<td>b) Extent of Gastric resection.</td>
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<tr>
<td>c) Extent of lymph node resection.</td>
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