

**SURGICAL ONCOLOGY**

**PAPER-III**

Time: 3 hours  
Max. Marks:100

SURG.ONCO/J/19/47/III

**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. How you will evaluate a middle aged man presenting with localized non-small cell carcinoma right upper lobe of lung planned for surgery? How do you interpret the pulmonary function test, for planning surgery? 5+5
2. A 55-year old lady was incidentally detected to have multiple bilateral liver SOLs on an ultrasound, biopsy of which was a low grade neuroendocrine tumour, Ki-67 of 3%. 2+5+3
  - a) What other investigations will you ask for?
  - b) Describe the various options of treatment for this lady.
  - c) Briefly describe details of one randomized trial each supporting the use of medical and radiopharmaceutical agents in metastatic carcinoid tumors.
3. How do you classify soft tissue sarcomas? What is the role of immunohistochemistry and cytogenetics in diagnosis of soft tissue sarcoma? 3+7
4. Describe in brief the molecular classification of breast cancer? How is Her2-neu and hormone receptor testing done for breast cancer and how are the results interpreted? 5+5
5.
  - a) Briefly describe the rationale of hyperthermic intraperitoneal chemotherapy (HIPEC). 2+(4+4)
  - b) Briefly describe the evidence supporting cytoreductive surgery and HIPEC in peritoneal metastasis from:
    - i. Colorectal cancer
    - ii. Ovarian cancer
6. What is the role of Minimally Invasive Surgery for Carcinoma Cervix? What are the advantages and disadvantages? Mention some latest evidence. 3+4+3

**P.T.O.**

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| 7. Describe the 8 <sup>th</sup> edition of AJCC TNM classification of carcinoma esophagus. Discuss the evidence supporting neoadjuvant chemoradiation in carcinoma esophagus.  | 6+4   |
| 8. a) Classify cystic neoplasms of the pancreas.<br>b) How will you investigate a person who was found to have a cystic lesion in the pancreas on ultrasound?<br>c) Outline treatment of the various cystic neoplasms of the pancreas? | 2+4+4 |
| 9. How will you investigate and manage a lady diagnosed with locally advanced breast cancer in the second trimester of pregnancy, if the patient wishes to continue her pregnancy?   | 10    |
| 10. What is the role of sentinel node biopsy in malignant melanoma? Describe the role of isolated limb perfusion in locally advanced malignant melanoma.   | 5+5   |

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