

SURGICAL ONCOLOGY**PAPER-III**Time: 3 hours
Max. Marks: 100

SURG.ONCO/D/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. A 35-year old man presents with a right testicular mass suspected to be testicular tumour. 5+5
 - a) Describe the role of tumour markers in diagnosing and staging his cancer?
 - b) How do you risk stratify the disease?
2.
 - a) What is trans-anal total meso-rectal excision (TaTME)? 2+3+3+2
 - b) Describe the procedure.
 - c) Describe the evidences supporting it?
 - d) In your opinion, can it replace conventional TME in future and why?
3.
 - a) What are the minimally invasive approaches for managing esophageal cancers? 3+7
 - b) Discuss the evidence regarding the role of MIS for esophageal cancer.
4.
 - a) Natural Orifice Transluminal Endoscopic Surgery (NOTES). 5+5
 - b) Robotic - Assisted Radical Prostatectomy.
5.
 - a) What is stereotactic body radiation therapy (SBRT)? 3+7
 - b) Compare the role of SBRT and surgery in a patient presenting with T1 lung cancer, quoting evidence.
6. A 62-year-old male smoker presenting with three metastatic right level 2 nodes from unknown primary. FNAC shows squamous cell carcinoma. 5+5
 - a) How do you investigate and manage?
 - b) Briefly discuss use of immunohistochemistry in this scenario.
7.
 - a) Endoscopic Bronchial Ultrasonography (EBUS). 3+4+3
 - b) Mediastinoscopy.
 - c) Role of PET-CT in lung cancer.

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8. a) What is the present role of sentinel lymph node biopsy for carcinoma endometrium? 2+4+4
b) Describe various techniques.
c) Quote evidence regarding its utility.
9. a) How do you stage/grade a pancreatic neuroendocrine tumour? 5+3+2
b) Describe the role of 68-gallium DOTATATE PET/CT for neuroendocrine tumors.
c) Indications of (177)Lu-DOTATATE therapy.
10. a) Describe the diagnostic evaluation of bone metastases. 3+4+3
b) Bone targeted treatment in bone metastases.
c) Role of surgery in bone metastases.
