

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

SURGONCO/D/20/47/I

Important Instructions:

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- 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) Cancer cachexia syndrome. 5+5
b) Role of nutritional supplementation in cancer patients.
2. a) Role and rationale of lymphadenectomy in solid tumors. 5+5
b) Describe various methods of sentinel lymph node detection.
3. a) Pre-habilitation and its advantages in cancer surgery. 5+5
b) ERAS Protocols for colorectal cancer surgery.
4. a) Field cancerization. 5+5
b) Margin assessment methods in cancer surgery.
5. a) Mechanism of viral carcinogenesis with examples. 5+5
b) HPV vaccination in cervical cancers.
6. a) Radiosensitizers and their role in radiation oncology practice. 5+5
b) Proton beam therapy.
7. a) What are TKIs (tyrosine Kinase Inhibitor)? 5+5
b) Discuss their mechanism of action, indications for use and toxicity.
8. a) Define pharmacokinetics, pharmacodynamics and 5+5
pharmacogenomics.
b) Phases of anti-cancer drug development.

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SURGICAL ONCOLOGY

PAPER-I

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| 9. | a) Clavien-Dindo classification for surgical morbidity assessment. | 5+5 |
| | b) Classification of Surgical Site Infection (SSI) and principles of SSI management. | |
| 10. | a) Principles of palliative surgery. | 5+5 |
| | b) Principles of cancer pain management. | |

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