

SURGICAL ONCOLOGY

PAPER – I

SURG.ONCO/J/16/47/I

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. a) What is gene signature and define its role in cancer management? 5+5
b) Types and role of gene signatures in the management of breast cancer.
2. a) Good Clinical Practice (GCP) guidelines. 5+5
b) Rationale and planning of phase-III clinical trial.
3. a) What is Biobanking? Mention its advantages. 6+4
b) Components of Biobanking.
4. a) Enumerate the process and components of informed consent. 5+5
b) What are WHO surgical safety guidelines?
5. a) Patient selection criteria for metastasectomy. 5+5
b) Role of metastasectomy in colo-rectal cancer management.
6. a) Principles and rationale behind screening for cancer. 4+(2+2+2)
b) Current status of screening for breast, cervical and lung cancer.
7. a) What is a Cancer Registry and discuss various types of Cancer Registries? 6+(2+2)
b) Global epidemiological trends of lung and breast cancer.
8. a) Define surgical palliation with clinical examples. 5+5
b) Quality of life assessment tools.
9. a) Define Precision Medicine with rationale and advantages. 4+3+3
b) Tyrosine kinase pathway.
c) Indications, dose and duration of imatinib in GIST patients.
10. a) Role of human papilloma virus (HPV) in head and neck cancers. 5+5
b) Cervical cancer vaccine.
