

MEDICAL ONCOLOGY

PAPER-III

MEDONCO/J/18/17/III

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:

- a) Epidemiology of gastric cancer in India.
 - b) Risk factors for gastric cancer.
 - c) Impact of molecular biology in the treatment of gastric cancer.

3+3+4
- a) Define concept of metronomic therapy.
 - b) List various agents with dose/schedule which could be used for this approach.
 - c) Plan metronomic therapy for a 50-year-old lady with epithelial ovarian cancer stage IIIC who has received 4 lines of therapy and now having progressive disease.

2+4+4
- a) Enumerate the incidence & risk factors for breast cancer associated lymphedema.
 - b) Management of breast cancer associated lymphedema.
 - c) How will you palliate backache in a lady with breast cancer having multiple vertebral metastases?

3+3+4
- a) Enumerate the steps of drug development process.
 - b) What are the objectives of phase-1 Clinical trial?
 - c) Briefly give plan with essential components of a clinical trial for study of palliative chemotherapy for advanced gall bladder cancer with jaundice.

3+3+4
- a) List the changes in the staging of head & neck cancer in the recent AJCC 8th edition.
 - b) What are the distinct clinical features of HPV associated oropharyngeal cancers?
 - c) Role of immunotherapy in head & neck cancer.

3+3+4
- a) Plan investigations in a newly diagnosed case of smoldering multiple myeloma in a 60-year-old male.
 - b) How do you stage myeloma?
 - c) Discuss choice of induction therapy in a newly diagnosed transplant eligible multiple myeloma.

3+2+5

P.T.O.

- | | | |
|------|--|-------|
| 7. | a) Critically discuss any two chemoprevention trials in breast cancer.
b) List various paraneoplastic syndromes associated with breast cancer.
c) Indications and side effects of PARP (Polyadenosine diphosphate ribose polymerase) inhibitors. | 3+3+4 |
|
 | | |
| 8. | Briefly mention the risk assessment of a patient with febrile neutropenia. What are the indications of gram positive antibiotics in the treatment of febrile neutropenia? Enumerate the indications of primary & secondary GCSF prophylaxis. | 3+3+4 |
|
 | | |
| 9. | A 50-year-old lady with disseminated intra-abdominal malignancy has cachexia and is in ECOG performance status 4.
a) What could be the etio-pathogenesis of cachexia in this case?
b) Outline supportive care for this case.
c) Give indications, components & complications of total parenteral nutrition in this patient. | 3+3+4 |
|
 | | |
| 10. | a) List investigations for a 50-year-old male suspected to have chronic myeloproliferative disorder (CMPD).
b) What is the basis of various molecular tests done for these disorders?
c) Outline management for primary myelofibrosis. | 3+3+4 |
