

FINAL EXAM  
JUNE 2018

NATIONAL BOARD OF EXAMINATIONS

## 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:

1. a) Epidemiology of gastric cancer in India. 3+3+4  
b) Risk factors for gastric cancer.  
c) Impact of molecular biology in the treatment of gastric cancer.
2. a) Define concept of metronomic therapy. 2+4+4  
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.
3. a) Enumerate the incidence & risk factors for breast cancer associated lymphedema. 3+3+4  
b) Management of breast cancer associated lymphedema.  
c) How will you palliate backache in a lady with breast cancer having multiple vertebral metastases?
4. a) Enumerate the steps of drug development process. 3+3+4  
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.
5. a) List the changes in the staging of head & neck cancer in the recent AJCC 8th edition. 3+3+4  
b) What are the distinct clinical features of HPV associated oropharyngeal cancers?  
c) Role of immunotherapy in head & neck cancer.
6. a) Plan investigations in a newly diagnosed case of smoldering multiple myeloma in a 60-year-old male. 3+2+5  
b) How do you stage myeloma?  
c) Discuss choice of induction therapy in a newly diagnosed transplant eligible multiple myeloma.

P.T.O.

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7. a) Critically discuss any two chemoprevention trials in breast cancer. 3+3+4  
b) List various paraneoplastic syndromes associated with breast cancer.  
c) Indications and side effects of PARP (Polyadenosine diphosphate ribose polymerase) inhibitors.
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. 3+3+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.
10. a) List investigations for a 50-year-old male suspected to have chronic myeloproliferative disorder (CMPD). 3+3+4  
b) What is the basis of various molecular tests done for these disorders?  
c) Outline management for primary myelofibrosis.

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