

MEDICAL ONCOLOGY

PAPER-II

MEDONCO/J/18/17/II

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) Briefly describe staging used for Hodgkin's lymphoma. 2+3+2+3
  - b) Outline treatment for a 20-year-old unmarried female diagnosed to have stage IVB Hodgkin's lymphoma.
  - c) How will you determine her prognosis?
  - d) How will you use PET-CT scan in her management?
- A 25-year-old unmarried male has been diagnosed to have retroperitoneal lymph node mass with fever. Biopsy is suggestive of poorly differentiated tumour. 2+3+2+3
  - a) What is your differential diagnosis?
  - b) Plan further investigations to establish primary.
  - c) How immunohistochemistry (IHC) will help you in arriving at a diagnosis in this case?
  - d) Outline plan of treatment in this case assuming that no definite primary could be made out on investigations.
- a) List tumours (with indications) where anti-angiogenesis treatment approach has shown positive results. 3+3+4
  - b) Molecular biology of ovarian cancer.
  - c) Mention clinical and laboratory markers of platinum resistance.
- a) Molecular classification of breast cancer. 3+4+3
  - b) Compare Oncotype Dx versus Mammaprint.
  - c) Role of hypofractionated radiation therapy as adjuvant treatment for breast cancer.
- a) List various childhood malignant tumours in order of frequency. 3+3+2+2
  - b) Mention the International Classification of intra-ocular retinoblastoma
  - c) Indications and key principles involved in Enucleation.
  - d) What are the indications of adjuvant chemotherapy post enucleation?
- a) Enumerate the differences between right vs left sided metastatic colorectal cancer. 5+5
  - b) Role and technique of MSI (Microsatellite Instability) Testing in colorectal cancer.

P.T.O.

7. a) Classify bone tumours. 3+3+4  
b) Role of MRI in the management of bone tumours.  
c) What are the principles of diagnostic biopsy in a suspected bone tumour?
8. a) Plan investigations (with rationale) for a 25-year old lady suspected to have acute leukemia. 3+4+3  
b) Explain value of cytochemistry and immunophenotypic markers in such a case.  
c) Discuss critically importance of estimating minimal residual disease (with time points) in such a case.
9. a) Pathological classification of thyroid tumours. 3+3+4  
b) List investigations including molecular tests.  
c) Outline treatment of metastatic follicular carcinoma of thyroid.
10. a) List childhood tumours where genetics plays an important role. 2+3+2+3  
b) Write International staging for neuroblastoma.  
c) Outline treatment for high risk stage 3 neuroblastoma.  
d) Outline treatment of Wilm's tumour according to stage with results.

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