

MEDICAL ONCOLOGY

PAPER - III

MED ONCO/D/13/17/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.*

1. List various clinical, laboratory and molecular prognostic factors in chronic lymphocytic leukemia. Discuss their interpretation. 5+5
2. Discuss laboratory and molecular markers of Apoptosis and cell proliferation as applied to malignant diseases with their interpretation. 10
3. What are various targets involved in renal cell cancer? How would you use this information in treatment of metastatic disease? 4+6
4. Discuss the etiopathogenesis and preventive strategy for chemotherapy and targeted therapy induced cardiac toxicity. 10
5. Compare various risk factors for breast and ovarian cancer. Discuss your approach to a family with a hereditary breast cancer for prevention. 6+4
6. Discuss briefly molecular biology of lung cancer. How will you use this information in treatment of metastatic lung cancer? 6+4
7. Discuss briefly the etiological factors for Non Hodgkin's Lymphoma. Outline treatment approach to a MALT Lymphoma of the stomach. 5+5
8. Give the risk classification of acute promyelocytic leukemia. Discuss the management based on such classification. How would you monitor treatment response? 3+4+3
9. Outline management of early tongue cancer. Give staging and long term follow up plan. 4+(4+2)
10. Discuss end of life care and counseling for a 3 year old child dying from refractory neuroblastoma. How does this differ in a teenager dying from cancer? 7+3
