

MEDICAL ONCOLOGY

PAPER-II

MEDONCO/D/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:

1. A 10-year-old boy is diagnosed to have embryonal sarcoma of the left maxillary region with intracranial extension. There is no evidence of distant metastasis. 3+3+4
 - a) Enumerate the metastatic work-up for this child.
 - b) How will you risk stratify?
 - c) Outline the treatment.
2.
 - a) Outline the treatment protocol for a newly diagnosed high risk acute myeloid leukemia (AML).
 - b) Enumerate the molecular abnormality seen in AML.
 - c) Write briefly about FLT-3 directed therapy.3+3+4
3.
 - a) Staging and risk assessment of malignant germ cell tumour testis.
 - b) Treatment options for stage I NSGCT.4+6
4. A 50-year-old male diagnosed as carcinoma ascending colon underwent Right Hemicolectomy. Post-op HPE revealed adenocarcinoma with pT4 N0 M0? 4+6
 - a) What are the indications of adjuvant chemotherapy in stage II colorectal cancer patient?
 - b) Describe the treatment of the above patient. Provide evidence for chemotherapy regimen and its duration.
5.
 - a) Risk factors associated with pancreatic cancer.
 - b) What is borderline resectability in pancreatic cancer?
 - c) Outline the treatment of a borderline resectable pancreatic cancer.3+3+4
6.
 - a) Mechanisms of primary and secondary Imatinib resistance in chronic myeloid Leukemia.
 - b) How will you manage a CML patient with T315I mutation?5+5
P.T.O.

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| 7. | a) Outline the staging of Small Cell Lung Cancer (SCLC).
b) List the staging investigations in a patient with SCLC.
c) Role of prophylactic cranial irradiation in SCLC. | 2+4+4 |
| 8. | a) Write an algorithm for the treatment of metastatic breast cancer (MBC).
b) Describe HER2/neu targeted therapy in MBC with appropriate evidence. | 4+6 |
| 9. | a) Indications of PET scan in neuroendocrine tumour.
b) What is PRRT? Describe the indication and principles of PRRT.
c) Treatment of well differentiated neuroendocrine tumour with Ki67 20%. | 3+4+3 |
| 10. | a) Write an algorithm for arriving at a diagnosis of chronic lymphoproliferative disorder (CLPD) subtype using immunohistochemistry.
b) Outline the treatment of stage IV newly diagnosed grade 2 follicular lymphoma. | 4+6 |
