

**MEDICAL ONCOLOGY**  
**PAPER-II**

Time: 3 hours  
Max. Marks:100

MED.ONCO./J/20/17/II

**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) Define various phases of chronic myeloid leukemia. 3+4+3  
b) Selection of first line TKI.  
c) When is it safe to stop treatment?
2. a) Classify plasma cell neoplasms. 2+4+4  
b) Outline the diagnostic tests for myeloma.  
c) Your approach to treatment of multiple myeloma, relapsed after an Autologous Stem Cell Transplantation.
3. a) Evaluation of a patient presenting with solitary pulmonary nodule. 3+3+4  
b) Mention the Immunohistochemistry panel to establish tissue diagnosis.  
c) Algorithm for treatment of this case.
4. a) Describe management of CINV. 4+3+3  
b) What are drugs with ultra-low risk emetogenesis?  
c) Side effects of anti-emetic drugs.
5. a) Chemotherapy regimens in Ewing's sarcoma. 3+4+3  
b) EURAMOS Trial in Osteosarcoma.  
c) Histology directed therapies in soft tissue sarcoma.
6. a) Diagnostic workup of obstructive jaundice due to extrinsic compression of distal biliary tract. 3+4+3  
b) Algorithm for treatment of cancer of the head of pancreas.  
c) Management of pain in a case of carcinoma of pancreas.
7. a) Pathophysiology of hormone resistance in prostate cancer. 3+4+3  
b) Algorithm for management of castration resistant prostate cancer.  
c) Gynecomastia in a patient of prostate cancer.
8. a) Tumour Lysis Syndrome. (TLS). 2+4+4  
b) Risk stratification of TLS.  
c) Prevention and management of TLS.

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9. a) Molecular Classification of Triple Negative Breast Cancer (TNBC). 3+4+3  
b) Treatment of TNBC.  
c) Counselling a patient of TNBC.
10. a) Hyperviscosity syndromes. 3+4+3  
b) Extravasation of various chemotherapeutic agents and their management.  
c) Testicular cancer survivorship.

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