

**MEDICAL ONCOLOGY**

**PAPER-II**

Time: 3 hours  
Max. Marks:100

MED ONCO/J/19/17/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) Causes of malignant spinal cord compression (MSCC). 3+3+4  
b) Grading the MSCC.  
c) Management of MSCC.
2. a) Gene expression profile. 2+4+4  
b) What are the tests available for breast cancer gene expression profile?  
c) Use of gene expression profile results in breast cancer management.
3. a) Staging of non-small cell lung cancer (NSCLC) 4+3+3  
according to 8<sup>th</sup> Edition Lung Cancer Stage Classification.  
b) Role of mutation analysis in treatment of NSCLC.  
c) Consolidation treatment after definitive concurrent chemo-radiation in stage III NSCLC.
4. a) Role of PET CT scan in lymphomas. 4+3+3  
b) Limitations of PET CT use in clinical practice.  
c) PET response adopted treatment in Hodgkin's lymphoma.
5. a) WHO Classification of neuroendocrine tumours of 3+4+3  
pancreas.  
b) Management of advanced pancreatic neuroendocrine tumours.  
c) Peptide receptor radiotherapy.
6. a) Gleason grading in adenocarcinoma prostate. 3+3+4  
b) Role of PSA in screening and follow up of prostate cancer.  
c) Enumerate anti-androgen therapies in carcinoma prostate.

**P.T.O.**

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| 7.  | a) Role of cytoreductive nephrectomy in metastatic renal cell carcinoma.<br>b) Role of adjuvant treatment in clear cell renal cell carcinoma.<br>c) Risk scoring systems and their use in metastatic renal cell carcinoma. | 3+4+3 |
| 8.  | a) Explain the methodology of Real time polymerase chain reaction (RT PCR).<br>b) Monitoring of response in CML treatment<br>c) Criteria for accelerated phase and blast crisis in CML.                                    | 3+4+3 |
| 9.  | a) Etiological factors of Hepatocellular Carcinoma (HCC).<br>b) Diagnosis and staging of HCC.<br>c) Indications of allogenic liver transplantation in HCC.   | 3+4+3 |
| 10. | a) Enumerate various types of neck dissections in squamous cell carcinoma of head and neck.<br>b) Role of neo-adjuvant chemotherapy in oro-pharyngeal cancer.<br>c) Rehabilitation after laryngectomy.                     | 3+4+3 |

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