

QP Code:101514

Reg. No.:.....

**D.M. (Medical Oncology) Degree Regular/Supplementary  
Examinations April 2025**

**Paper I – Basic Science in Medical Oncology**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:** (20)

1. Describe the cell cycle and mention examples of cell cycle phase specific chemotherapeutic agents

**Short essays:** (8x10=80)

2. Molecular process in cancer metastasis
3. Types of performance status used in choosing treatment
4. R E C I S T (Response Evaluation Criteria in Solid Tumors)
5. Radiotherapy induced mucositis
6. Epigenetics
7. Type phase III clinical trials
8. Lung cancer screening
9. Lapatinib

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