

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 scales used in choosing treatment
4. RECIST (Response Evaluation Criteria in Solid Tumors)
5. Radiotherapy induced mucositis
6. Epigenetics
7. Type phase III clinical trials
8. Lung cancer screening
9. Lapatinib
