

Q P Code: 101514

Reg. No.:.....

**DM. (Medical Oncology) Degree Regular/Supplementary Examinations
November 2023**

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. Discuss the hallmarks of cancer in detail.

Short essays:

(8x10=80)

2. Microsatellite instability
3. National cancer control program
4. Phase 0 clinical trial
5. Fractionation in radiation therapy
6. Mitomycin C – mechanism of action
7. Gefitinib resistance
8. PERCIST criteria
9. Waterfall plot
