

Q P Code: 101514

Reg. No.:.....

**DM. (Medical Oncology) Degree Regular/Supplementary Examinations
August 2021**

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 in detail about PCR, its various types and usefulness in diagnosis of cancer.

Short essays: (8x10=80)

2. Advantages of genome sequencing in cancer
3. Steps of invasion and metastasis
4. Discuss about phase I and phase III clinical trials in cancer
5. Forest plot and waterfall plot in statistics
6. Differences between SRS, SRT and SBRT and their usefulness in cancer
7. Carcinogens in tobacco and cancers caused by them
8. RECIST version 1.1 and PERCIST
9. Role of prophylactic surgery in cancer
