

QP Code:101514

Reg. No.:.....

**DM. (Medical Oncology) Degree Regular/Supplementary Examinations
August 2022**

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 role of tumor markers in cancer with appropriate examples

Short essays:

(8x10=80)

2. Quantitative real time PCR and its uses in oncology
3. Molecular events involved in metastasis and brief note on Epithelial Mesenchymal Transition (EMT)
4. Nab-paclitaxel and its role in pancreatic cancer management.
5. Indications, contraindications and basic principles of adoptive immunotherapy
6. Immunodeficiency and cancer
7. Meta-analysis
8. Role of prophylactic surgery in oncology.
9. Hereditary cancer syndromes
