

QP Code: 104117

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Radiation
Oncology (MD) January 2025**

Paper IV - Recent Development in Clinical 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 about the role of TBI as a part of stem cell transplant including indications, techniques and dose schedules. What are long term side effects of TBI and precautions to be taken to minimise it

Short essays:

(8x10=80)

2. What are the types of IMRT. What are merits and demerits of IMRT.
3. Discuss the merits and demerits of robotic radiosurgery system with Gamma knife.
4. Write about the molecular grouping of breast cancer. What is its relevance with regard to prognosis and choosing the therapy for breast cancer.
5. Write about the indications and technique of postoperative Radiotherapy in carcinoma of stomach.
6. Biological therapy in metastatic renal cell carcinoma.
7. Enumerate tumour markers associated with genitourinary cancers and their role in oncological practice.
8. GecEstro guidelines for Image guided brachytherapy in carcinoma cervix.
9. Discuss about the role of PET CT in lymphoma management.
