

QP Code: 102117

Reg. No.:.....

**PG Degree Supplementary Examinations in Radiation Oncology  
(MD) July 2025**  
**Paper II - General Principles and Clinical Practice of Radiotherapy**

**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. What are the indications of intraoperative Radiotherapy. Discuss about the techniques used with their advantages and disadvantages.

**Short essays:**

**(8x10=80)**

2. Discuss the role of MRI in Radiotherapy treatment planning.
3. Enumerate the various causes of anaemia in cancer. Discuss its relevance to radiotherapy.
4. What are the premalignant conditions of oral cavity and how do you manage them.
5. Role of Chemoradiation in head and neck cancer, discuss with evidence.
6. Explain the physiologic and mechanistic basis of aspiration in a patient of oropharyngeal cancer pre and post radiotherapy and its management.
7. Discuss the various Radiation oncological emergencies and its management.
8. Describe Radiation proctitis. Discuss its management and prevention strategies.
9. Discuss about Radionuclide therapy for bone metastasis

\*\*\*\*\*