

**Q.P Code**

**Reg. No.**

**PG Degree Regular/Supplementary Examinations in Radiation Oncology (M.D)**

**PAPER IV – RECENT DEVELOPMENTS IN ONCOLOGY, CANCER  
CONTROL PROGRAMMES, RESEARCH METHODOLOGIES IN ONCOLOGY**

**Time : Three Hours**

**Maximum : 100 Marks**

**Essay:**

**(20)**

1. Discuss the potential mechanisms of action of Immunotherapy and How could this be used in combination with Chemotherapy and Radiotherapy in Cancer Treatment.

**Short Essays**

**(8 x10 = 80)**

2. Carcinoma Post Cricoid.
3. Retinoblastoma.
4. Basal cell carcinoma.
5. Radiomics in Cancer treatment.
6. Brentuximab Vedotin.
7. HPV malignancy.
8. Tumor suppressor genes.
9. Gefitinib.