

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**M.D. Degree Examination – 16-Nov-2019**

[Time: 3 Hours]

[Max. Marks: 100]

**RADIOTHERAPY - PAPER- III**

**General Principles of Radiotherapy and Oncology,  
Principles and Practice of Radiotherapy of skin, Head & neck,  
Central and Peripheral Nervous System, GI Tract Tumors.**

**Q. P. CODE: 7483**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

**Answer All The Questions**

**10 X 10 = 100 Marks**

1. Discuss the anatomy of Anal Canal. Briefly explain the treatment overview and radiotherapy technique of an inoperable anal canal malignancy.
2. Role and rationale of Hypofractionation in Cutaneous malignancy.
3. Molecular biology and its clinical relevance of colon cancer.
4. Preoperative treatment of advanced rectal cancer.
5. Discuss the treatment of non-metastatic node positive oesophageal cancer.
6. Role of radiation in gastric cancer.
7. Discuss molecular biology of Gliomas. In detail discuss the RT indication and technique of GBM.
8. Treatment of Carcinoma T1N0M0 larynx.
9. Conformal radiation in Nasopharyngeal cancer.
10. HPV related head and neck cancers.

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