

Rajiv Gandhi University of Health Sciences
Second Year M.Sc [Radiation Physics] Degree Examination – OCT-2019

[Time: 3 Hours]

[Max. Marks: 100]

ADVANCED CLINICAL RADIATION ONCOLOGY

Q.P. CODE: 9808

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY**2 X 20 = 40 Marks**

1. Describe in detail the treatment planning process of 3DCRT.
2. Write physical aspects of SRS and SRT treatments.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Enumerate radioactive source selection in Brachytherapy.
4. Immobilization devices and its importance.
5. Techniques in total skin electron therapy.
6. Intra operative radiotherapy.
7. Inverse treatment planning process.
8. Discuss various types of applicators in HDR Brachytherapy.

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