

Rajiv Gandhi University of Health Sciences

First Year M.Sc [Radiation Physics] Degree Examination – OCT-2019

[Time: 3 Hours]

[Max. Marks: 100]

INTRODUCTION TO CLINICAL ONCOLOGY

Q.P. CODE: 9803

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Explain the implantation rules of
 - a) Paris system
 - b) Paterson Parker system
2. Beam directing and beam modifying devices used in Radiotherapy

SHORT ESSAY

6 X 10 = 60 Marks

3. How skin sparing effect is achieved in Radiotherapy?
4.
 - a) Brief the use of Styrofoam cutter with a neat diagram.
 - b) Explain the TNM staging.
5.
 - a) Serial and Parallel organs
 - b) Therapeutic ratio
6. Describe the various homogeneity and conformity indices used to analyze planning in radiotherapy.
7. Treatment planning sequence of patient in Radiotherapy
8. Briefly write about the use of bolus in radiotherapy.

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