

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Radiotherapy Technology Degree Examination – OCT-2019

Time: 3 Hours

Max. Marks: 30 Marks

Radiation Biology, Applied Anatomy and Pathology

Q.P. Code: 1357

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1357 and 1358 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Explain in detail the anatomy and lymphatics of uterine cervix. Write about epidemiology, etiology and natural history of carcinoma cervix.
2. Write about effects of Radiation on a cell.

SHORT ESSAYS (Answer any Two)

2 x 5 = 10 Marks

3. Causes of neoplasm
4. Radiation Carcinogenesis
5. Lymphatic supply of breast

SHORT ANSWERS (Answer any Five)

5 x 2 = 10 Marks

6. LET
7. RBE
8. Draw a cell cycle. In which phase of the cell cycle radiation is most effective?
9. Hyperfractionation
10. Use of grading system in histology
11. TLD
