

Rajiv Gandhi University of Health Sciences

Post-Graduate Fellowship Examination – FEB-2019

[Time: 3 Hours]

[Max. Marks: 100]

BRACHYTHERAPY - PAPER – I

QP Code: F015

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (These questions carry 20 marks each)

2 X 20 = 40 Marks

1. Discuss the radiobiological principles of Low dose rate, high dose rate and pulsed dose rate in brachytherapy?
2. Discuss in detail ICRU Report-38.

SHORT ESSAY (These questions carry 10 marks each)

6 X 10 = 60 Marks

3. Cesium-137.
4. Optimization in high dose rate brachytherapy.
5. Manual after loading in brachytherapy.
6. Basal dose rate.
7. Quality assurance tests for HDR brachytherapy.
8. Dose prescription using point A and point b in intra cavity brachytherapy.
