

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination – 25-Aug-2021

Time: Three Hours**Max. Marks: 100 Marks**

ADVANCE TECHNIQUES IN RADIATION ONCOLOGY - PAPER – II

QP Code: 4102

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. Role of SBRT in hepatocellular carcinoma and the RT planning of SBRT
2. Describe the role of stereotactic radiosurgery in oligometastasis of brain and the RT planning of SRS
3. Benign diseases treated with SRS and describe in detail SRS planning in trigeminal neuralgia
4. Role of functional imaging in planning SRS
5. Dose constraints for all normal tissue in planning SBRT
6. GEC-ESTRO guidelines for Brachytherapy in gynaecological malignancy
7. Astro recommendation for accelerated partial breast irradiation and planning of interstitial Brachytherapy in APBI
8. How to conduct a SMART clinical trial in radiotherapy and give one evidence for that?
9. Detail the pre treatment patient specific Q & A techniques for IMRT
10. Enumerate the points considered for plan evaluation in approval of a proton generated plan
