

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fellowship Examination – 24-Aug-2021

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

### **ADVANCE TECHNIQUES IN RADIATION ONCOLOGY - PAPER – I**

#### **QP Code: 4101**

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. Clinical applications of stereotactic body radiotherapy with the strength of evidence
2. Factors affecting QUANTEC dose constraints for various organ at risks
3. Radiobiological basis of Hyperfractionation
4. Spacers and their impact in brachytherapy
5. Aperture based vs cone based radiosurgery
6. Accelerated partial breast irradiation (APBI)
7. Unique clinical applications of proton and carbon ion therapy
8. Role of radiotherapy for orbital tumors
9. Procedure for TSET. Indication and dosage
10. IFRT procedure, patient selection and dose in organ confined prostate carcinoma

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