Q	P Code: 101117 Reg. No.:
F	PG Degree Regular/Supplementary Examinations in Radiotherapy (MD) June 2020
	Paper I – Radiation Physics, Radiobiology & Other Basic Sciences
Ti	me: 3 hrs Max marks:100
	<ul> <li>Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space</li> </ul>
	Answer all parts of a single question together • Leave sufficient space between answers
	Draw table/diagrams/flow charts wherever necessary
Es	ssay: (20)
1.	Define brachytherapy. Describe the radiobiological rationale for brachytherapy.
	What are the differences between HDR and LDR brachytherapy.
Sł	nort essays: (8x10=80)
2.	Radiotherapy treatment verification
3.	Field Shaping in radiotherapy treatment
4.	Cyber knife
5.	Electron beam therapy and its advantages
6.	Linear energy transfer
7.	Occupational and public radiation dose limit
8.	Endovacular brachytherapy
9.	Re-irradiation in head and cancers