QI	P Code: 101117 Reg. No.:		
PG Degree Regular/Supplementary Examinations in Radiotherapy (MD) May 2021			
	Paper I – Radiation Physics, Radiobiology & Other Basic Sciences		
Tir	ne: 3 hrs Max marks:10	0	
	 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 		
	Answer all parts of a single question together • Leave sufficient space between answers		
	Draw table/diagrams/flow charts wherever necessary		
Es	Essay: (20)		
1.	Write in detail about Irradiation induced damage and DNA damage repair.		
Sh	Short essays: (8x10=80)		
2.	Hypoxic cell radiosensitizers		
3.	Reactivation of immune response by radiotherapy		
4.	ICRU 62 and 83		
5.	Effective Dose Equivalent - Limits for occupational and public exposures		
6.	Thermo-Luminescent Dosimeter		
7.	Quality Assurance for IMRT		
8.	Interactions of ionization radiation with matters		
9.	Second cancers after Radiotherapy		
