QP CODE: 201018		Reg. No
Second Year B.Sc MRT Degree Supplementary Examinations March 2019		
Radiation Physics I Time: 3 Hours Total Marks:100		
Answer all questions		
Es	says:	(3x10=30)
2.	Describe interaction of radiation with matter and exp Explain the principle of gas filled detectors with a gr chamber.	•
	Describe a single phase X-ray generator circuit.	(9×5-40)
		(8x5=40)
	Characteristic X-rays	
	Line focus principle	
_	Thermo luminescent dosimeter	
	H&D curve	
	X-ray tube with a figure	
	Image intensifier .Penumbra	
	. Inherent and added filtration.	
	swer briefly:	(10x3=30)
	. Half wave rectifier	(**************************************
	.Heel effect	
	Linear attenuation coefficient	
	.Film gamma	
	. Mammography	
	. Grid	
	.Latent image	
	.Exposure rate constant	
	. Unsharpness	

21. Exposure factors in imaging