		Enrolment No.		
		GUJARAT TECHNOLOGICAL UNIVERSITY		
		M.E –I st SEMESTER–EXAMINATION – JULY- 2012		
Subject code: 713105N Date:			: 11/07/2012	
Subj	ect N	lame: Medical Safety and Waste Management		
Гime	: 2:3	60 pm – 05:00 pm Total Marl	Total Marks: 70	
Instr	ucti	ons:		
		empt all questions.		
		ke suitable assumptions wherever necessary.		
3.	Figu	res to the right indicate full marks.		
Q.1	(a)	What do you mean by "Waste Management"? Describe the purpose of Waste Management for Medical Safety.	07	
	(b)	Describe with flow diagram the Collection and Disposal of Dry and Wet Medical Waste.	07	
Q.2	(a)	Describe the process of segregation and collection of hospital waste.	07	
	(b)	Describe the process for disposal of Hazardous waste.	07	
		OR		
	(b)	Give and Explain the classification of Hospital waste.	07	
Q.3	(a)	Write a short note on Sterilization. Describe in brief common methods for Sterilization	07	
	(b)	Describe in detail the Methods for Heat Sterilization.	07	
		OR		
Q.3	(a)	<u>-</u>	07	
	(b)	Describe the process of Chemical Sterilization. Also mention its advantages and disadvantages.	07	
Q.4	(a)	Write a short note on X-ray safety of non-medical users.	07	
	(b)	Describe with block diagram the Radioactive Waste handling system. OR	07	
Q.4	(a)	Write a short note on "Air Monitoring".	07	
	(b)	Write a short note on "Storage of Sterilized items".	07	
Q.5	(a)	Give and Explain the classification of Low level radioactive waste.	07	
	(b)	Explain the method for Low level radioactive waste handling.	07	
0.5		OR	0.7	
Q.5	(a)	Mention the characteristics of an ideal disinfectant. Describe the classes of	07	

(b) State the guidelines for managing the infectious wastes and agents.

disinfectants.

07