Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER - I • EXAMINATION - WINTER 2012

Subje Time	ect Na : 02.3 ructio 1. A 2. M	de: 713105N me: Medical Safety & Waste Management 0 pm – 05.00 pm Total Marks: 70 ns: ttempt all questions. lake suitable assumptions wherever necessary. gures to the right indicate full marks.	
Q.1	(a)	What are the advantages and disadvantages of medical waste product recycling?	07
	(b)	Write a short note on Air controlled Incinerator.	07
Q.2		What is electric shock? Explain control of electric Hazards.	07
	(b)	Explain types of leakage current and their measurement. OR	07
	(b)	Write a short note on radiation dosimetry.	07
Q.3	(a)	What are the common sources of RF and Microwave hazards? How to control it?	07
	(b)	Explain Air filtration techniques for waste management. OR	07
Q.3	(a)	Explain water systems for waste management.	07
	(b)	Explain packaging and Labeling process of Medical waste.	07
Q.4	(a)	Explain Biological effects of radiation on human body.	07
	(b)	Explain steam sterilization process. OR	07
Q.4	(a)	Explain gas sterilization method.	07
	(b)	Give brief idea about Biomedical waste rules in India.	07
Q.5	(a)	Discuss the issues of patient safety that commonly occur in Hospitals.	07
	(b)	Give the general classification of Biomedical wastes in detail. OR	07
Q.5	(a)	Discuss the different degradable & Biodegradable medical waste and their disposable techniques.	07
	(b)	Explain management of Low level Radio-active wastes.	07
