GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII • EXAMINATION – WINTER 2013

Subject Code: 171304 Da Subject Name: Cleaner Production and Waste Utilization			Date: 03-12-2013
Time: 10:30 TO 01:00Total MarInstructions:Total Mar			Total Marks: 70
1. Attempt all questions.			
		ke suitable assumptions wherever necessary. ures to the right indicate full marks.	
Q.1	(a)	Explain Importance of CP in Industries.	07
	(b)	Write a short note on Good Housekeeping.	07
Q.2	(a)	Enlist the Benefits of Good housekeeping.	07
	(b)	Enlist and Explain checklist for good housekeeping.	07
		OR	
	(b)	Discuss CP options in chemical industry.	07
Q.3	(a)	Write short note on Energy Audit.	07
	(b)	Discuss the hierarchy of CP.	07
		OR	
Q.3	(a)	Write a short note on Waste Minimization with respect t	to CP. 07
	(b)	Write a short note on reuse of liquid industrial effluent.	07
Q.4	(a)	Write short note on Heat exchangers.	07
-	(b)	Explain Heat recovery Boiler with One Stack. OR	07
Q.4	(a)	How Energy management useful in CP.	07
Q.4	(b)	Write short note on generation of waste heat in industry.	07
Q.5	(a)	Discuss types of heat recovery equipments.	07
	(b)	Discuss heat recovery boiler in detail.	07
		OR	
Q.5	(a)	Discuss financial analysis in cleaner production.	07
	(b)	Explain Heat recovery Boiler with Two Stack with fan.	07
