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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VII (NEW) EXAMINATION - WINTER 2022** 

Subject Code:3171304			Date:07-01-2023	
•	e:10	Name:Cleaner Production and Waste Utilization :30 AM TO 01:00 PM	Total Marks:	<b>70</b>
	1. 2.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.  Simple and non-programmable scientific calculators are allowed.	ed.	
Q.1	(a) (b) (c)	Explain effect of CP on industrial economy.		03 04 07
Q.2	(a) (b) (c)	How CP team is designated?		03 04 07
	(c)			07
Q.3	(a) (b) (c)	What are the barriers to the CP?		03 04 07
	(0)	OR		0.
Q.3	(a) (b) (c)	Describe procedure to carry out Material balance.		03 04 07
Q.4	(a) (b) (c)	What role a Cleaner production center can play at regional le	evel?	03 04 07
Q.4	(a) (b)	Define Cleaner Production.  Which factors needs to be considered for selecting cleansolution?	eaner production	03 04
	(c)	Explain with neat sketch Waste heat recovery system.		07
Q.5	(a) (b) (c)	Enlist and explain objectives and benefits of CP.		03 04 07
Q.5	(a) (b) (c)	What do you mean by Mass and energy balance?  Describe techniques for recycling and reuse of liquid Industry	rial waste.	03 04 07

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