## **GUJARAT TECHNOLOGICAL UNIVERSITY**

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BE - SEMESTER-VII EXAMINATION - SU	MMER 2025
Code:3171303	Date:16-05-2025
Name:Industrial Wastewater Pollution and C	Control
2:30 PM TO 05:00 PM	Total Marks:70
ns:	
Attempt all questions.	
Make suitable assumptions wherever necessary.	
Figures to the right indicate full marks.	
Simple and non-programmable scientific calculators are	allowed.
	MARKS
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	(b) (c)	What is neutralization? Explain any one method of neutralization. Derive the equation for steady state concentration of pollutant in a lake.	04 07
Q.5	(a)	Explain the objectives of setting up a CETP.	03
	<b>(b)</b>	Differentiate clearly between Stream standards and effluent standards highlighting the benefits and drawbacks of both.	04
	(c)	Write down waste water characteristics of effluent generated from textile industries. Also draw suitable waste water treatment plant for the same.	07
		OR	
Q.5	(a)	State the limitations of a CETP.	03
	<b>(b)</b>	What is evaporation? How is it useful for treatment of strong industrial waste?	04
	(c)	Identify various sources of wastewater generation from pulp and paper industry & suggest appropriate treatment flow diagram to achieve effluent standards.	07

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