Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-IV (NEW) EXAMINATION - SUMMER 2022	
Subj	ect	Code:3140509 Date:23-0	06-2022
Subj	ect ?	Name:Pollution control & safety Management	
Time	e:10	:30 AM TO 01:00 PM Total Ma	rks: 70
Instru			
	1. 2.		
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
	4.	Simple and non-programmable scientific calculators are allowed.	
			MARKS
Q.1	(a)	What are the source of solid waste? Write its classification.	03
	(b)	<u> •</u>	04
	(c)	Explain the types of environmental pollution through chemical industry.	07
Q.2	(a)	•	03
	(b)		04
	(c)	What are the sources and causes of environment pollution? OR	07
	(c)	<u> </u>	07
Q.3	(a)	Define various concentration scales for gaseous pollutants.	03
Q.C	(b)		04
	(c)	•	07
		OR	
Q.3	(a)	•	03
	(b)		04
	(c)	Explain pretreatment, primary and secondary waste water treatment processes.	07
Q.4		What is detonation and deflagration?	03
		Write a note on Dow Index.	04
	(c)	Discuss the source correction methods with examples to prevent air pollution.	07
		OR	
Q.4	(a)	•	03
	(b)		04 07
	(c)	With neat sketch explain electro static precipitators. Also discuss the advantages.	U/
Q.5	(a)	Explain UVCE.	03
	(b)	<u>•</u>	04
	(c)	State the various types of wet scrubber for particulate removal. Discuss any one in brief with neat sketch.	07
		OR	
Q.5	(a)	•	03
	(b) (c)	• • • • • • • • • • • • • • • • • • • •	04 07
	(0)	venat 18 hazard: vente a note on mazard identification checklist	U/

procedure.