Seat No.:	Enrolment No.
Seat No.:	Elifolitient No.

GUJARAT TECHNOLOGICAL UNIVERSITY			
Subi	oct (BE - SEMESTER-VI(NEW) EXAMINATION – WINTER 2022 Code:3160611 Date:14-12	
_		Name:Environmental Engineering	L-2022
_		:30 PM TO 05:00 PM Total Mai	rks•70
Instru			1 K5. / U
	1.	Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
	4.	Simple and non-programmable scientific calculators are allowed.	MARKS
Ο 1	(a)	Find out how much saidis is sample all 2.0 sampared to all 6.0	03
Q.1	(a) (b)		03 04
	(c)		0 4 07
	(C)	Enlist the function of each unit.	07
Q.2	(a)	What do you understand by sedimentation with coagulation?	03
	(b)		04
		acidity with their environmental significance.	
	(c)		07
		iron pipes and concrete pipes in detail. OR	
	(c)		07
	` '	working of a river intake.	
0.0			0.2
Q.3	(a)		03
	(b) (c)	•	04 07
	(C)	OR	07
Q.3	(a)	Explain aerobic decomposition and anaerobic decomposition of sewage.	03
	(b)	What do you mean by self-purification? Explain with the sketch the	04
	()	oxygen sag curve.	05
	(c)	Give comparison between slow sand filter and rapid sand filter.	07
Q.4	(a)	Define: Garbage, Rubbish and Sewage.	03
	(b)		04
	(c)	· · · · · · · · · · · · · · · · · · ·	07
		commonly used in India.	
ΩA	(a)	OR Draw a house drainage plan for a 3BHK detached bungalow	03
Q.4	(a) (b)		03
	(c)		07
		Lo [1 - (10) -Kt]	
o -			0.5
Q.5	(a)		03
	(b) (c)		04 07
	(0)	OR	07

03

04

Q.5 (a) What is noise pollution? State the sources of it.

(b) Explain the effects of air pollution on men, material and animals.

(c) What is sanitary land filling? Describe the different factors to be considered for the site selection of sanitary land filling.

07
