Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV (NEW) EXAMINATION - SUMMER 2022

Subi	ect	Code:3140609 Code:3140609 Date:29-0	6-2022
•		Name:Civil Engineering - Societal & Global Impact	
		:30 AM TO 01:00 PM Total Man	rks: 70
Instru	ctior 1.		
		Attempt all questions. 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 is pre-industrial society? What are its features?	03
	(b)	Write a brief note on "Green revolution in India".	04
	(c)	Describe recent major civil engineering breakthroughs and innovations.	07
Q.2	(a)		03
	(b)		04
	(c)	Describe the importance of civil engineering in shaping the world. OR	07
	(c)	Describe any three Modern Civil Engineering Marvels and Wonders.	07
Q.3	(a)	7 2	03
	(b)	<u> </u>	04
	(c)	Discuss Codes and Standards Governing Infrastructure Development. OR	07
Q.3	(a)	What is your vision for future Airports?	03
	(b)	• • •	04
	(c)	Describe Indian Government Initiatives for Water Conservation.	07
Q.4	(a)	Explain sanitary land filling method.	03
	(b)	What is solid waste management? What are its objectives?	04
	(c)		07
		OR	
Q.4	(a)	*	03
	(b)		04
	(c)	Discuss innovation techniques for ensuring environmental sustainability.	07
Q.5	(a)	Enlist various civil engineering projects.	03
	(b)		04
	(c)	engineering in civil engineering projects.	07
Q.5	(a)	OR Give benefits trends of Lean construction.	03
V. .5	(a) (b)		03
	(c)		07
