Seat No.: _____ Enrolment No.____

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

Subject Code:3141308 Date:23-			
Subj	ect N	ame:Environmental Resource management	
Time:10:30 AM TO 01:00 PM Total Marl			Iarks: 70
Instru	ctions	:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	
	4. C	simple and non-programmable scientific calculators are anowed.	MARKS
Q.1	(a)	Define: (i) Resource (ii) Desertification (iii) Deforestation.	03
	(b)		04
	(c)		07
		resources.	
Q.2	(a)	Enlist and explain the various forms of energy.	03
	(b)	Write a short note on nuclear fission – A chain reaction.	04
	(c)	<u>. </u>	07
		example.	
		OR	
	(c)	Write a short note on "Ex-situ Bio-diversity conservation."	07
Q.3	(a)	Give the classification of natural resources.	03
Ų.S	(a) (b)		03
	(c)	V 2	07
	(C)	OR	07
Q.3	(a)		03
	(b)	=	04
	(c)	Describe the environmental effects of deforestation.	07
Q.4	(a)	** * * * *	03
	(b)	· · · · · · · · · · · · · · · · · · ·	04
	(c)	· · · · · · · · · · · · · · · · · · ·	07
		neat sketch.	
0.4	(0)	OR Describe the growth rate agetion	03
Q.4	(a) (b)		03 04
	(0)	explosion.	V -1
	(c)	-	07
	(0)	incremental increase method in detail.	0.
Q.5	(a)	Discuss the rain water harvesting.	03
	(b)	Write the parameters for Standards of Living and Quality of life.	04
	(c)	Write a short note on carbon footprint.	07
		OR	
Q.5	(a)	•	03
	7 \	examples.	0.4
	(b)	•	04
	(c)	Explain the concept of sustainable development.	07
