GUJARAT TECHNOLOGICAL UNIVERSITY BE SEMESTED VII (NEW) EXAMINATION SUMMED 2

BE - SEMESTER-VII (NEW) EXAMINATION - SUMMER 2024			
Subj	ect (Code:3170628 Date:30-05-2024	
Subj	ect N	Name:Infrastructure for smart Cities	
Time	e:02:	30 PM TO 05:00 PM Total Marks:70	
Instru	ctions	S:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	
		Sample with the Brokenistance posterior of the mineral formation	
Q.1	(a)	Write about the goals of smart cities.	03
	(b)	Describe the features of smart cities.	04
	(c)	What are the factors required to become a smart city?	07
Q.2	(a)	Write about the economic benefits of green building.	03
	(b)	What is green building? Explain concept of green building.	04
	(c)	Explain in detail about what are the different types of infrastructure systems?	07
		OR	
	(c)	Give advantages and disadvantages of smart city.	07
Q.3	(a)	Explain about Smart Grid.	03
	(b)	Explain Infrastructure Need Assessment.	04
	(c)	Give your views on road safety policies.	07
		OR	
Q.3	(a)	What are the different phases of disaster management cycle?	03
	(b)	Write a short note on Traffic safety management	04
	(c)	Explain the concept of E-ticketing.	07
Q.4	(a)	What do you understand about Solar vehicles?	03
	(b)	Enlist various application of GIS in Transportation Engineering.	04
	(c)	What are the benefits associated to water and wastewater management?	07
		OR	
Q.4	(a)	Give some suggestions to improve existing water conveyance system.	03
	(b)	Explain public safety and security in a smart city	04
	(c)	Describe GPS in transportation system management.	07
Q.5	(a)	What do you mean by smart water management?	03
	(b)	, ,	04
	(c)	Describe Innovative sanitation Solutions for smart cities. OR	07
Q.5	(a)	What is smart city challenge?	03
Q.S	(a) (b)	·	03
	(c)	Write about any two case-studies of smart cities in India	07
	(U)	THE about any two case studies of smart cities in maia	UI
