Seat No.: Enroln	ent No
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GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – I • EXAMINATION – WINTER • 2013

Subje	ect c	ode: 714803N Date: 01-01-2014	
Subj	ect N	Name: Infrastructure & Transportation Planning	
Time	: 10	.30 am – 01.00 pm Total Marks: 70	
Instr		-	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	With help of neat diagram / chart, discuss the entire process of transportation	07
	(b)	planning and explain its vitals. Explain the current urbanization scenario of country using official data. Discuss the challenges in urban transportation thereafter.	07
Q.2	(a)	Explain how effective vehicular transportation and its infrastructure will affect the water transportation?	07
	(b)	*	07
		OR	
	(b)	What are various raw water pollutants? What are its limiting parameters?	07
Q.3	(a)	• • •	07
	(b)		07
		 Storm water Surface runoff 	
		PrecipitationWetland	
		 Brackish water Storm drain 	
		• Evapotranspiration	
		OR	^ -
Q.3	(a)	1	07
	(b)	Discuss in detail landfill as a method of solid waste disposal.	07
Q.4	(a)	Explain segregation of municipal waste. Discuss its advantages.	07
•	(b)		07
		OR	
Q.4	(a)	What does DEWATS mean? Explain with neat and clean diagrams.	07
	(b)	Short note – Public Participation in Sanitation.	07
Q.5	(a)		07
	/ 3 \	pattern – discuss.	o-
	(b)	Critically discuss the relationship between landuse pattern of a city and its transportation.	07
		OR	
Q.5	(a)		07
-		with respect to population date.	
	(b)	Short note – Total Water on Earth.	07
