Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER- VI • EXAMINATION - SUMMER 2016

Subject Code: 2163507 Date: 09/5/		016	
Tir	ne: 1 cructio 1. 2.	. Attempt all questions.	70
Q.1	(a)	Explain Lifecycle process diagram and explain code of good conduct for Life	07
	(b)	Cycle Assessment. What are the merits and demerits of input out base LCA and process base LCA.	07
Q.2	(a) (b)	Define 1) Georeference 2) Geoinformation 3) Geographic objects 4) GIS 5)Spatial Data 6) Map 7) Euclidean Space	
	(b)	What is Regular Tessellations, Irregular Tessellations and Vector Representation? Describe in brief.	07
Q.3	(a) (b)	Explain different color coding for segregation of biomedical waste How many categories are there for classification of biomedical waste? Explain in brief.	
Q.3	(a) (b)	OR Write a note on different treatments for biomedical waste. How Bengluru method is useful for modeling of biomedical waste facility.	
Q.4	(a) (b)	Explain Manifestation in Hazardous waste management What is Bio-augmentation? Explain in detail. OR	
Q.4	(a) (b)	What is carbon foot print? Mr Bakor Patel lives in Ankleshwar GIDC estate. Every day he received 20,000 kg of municipal waste. On burning such waste per kg of burning 200 gm CO2, 0.050 gm N2O and 0.020 gm of CFC generated. Calculate carbon foot print of such emission. (CFC's GWP= 1745) What is carbon sequestration? What are the methods available for carbon	
	(~)	sequestration?	
Q.5	(a) (b)	How can vulnerability and adaptation are indicators of climate change? Write a short note on Co-processing. OR	
Q.5	(a) (b)	Explain different modeling system for green belts developments. Why water harvesting is very important? Explain with context to India.	07 07
