Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV (New) EXAMINATION - WINTER 2015

Subject Code:2141305		Date:01/01/2016	
Tiı	me: 2 tructio	Attempt all questions.  Make suitable assumptions wherever necessary.	Total Marks: 70
Q.1	(a) (b)	State and Explain Shelford's law and Liebigs law. What is Climagraph? Explain it with neat sketch.	07 07
Q.2	(a) (b)	What is GIS? How does GIS work? Explain Amensalism and Commensalism with examples.  OR	07 07
	<b>(b)</b>	Explain Predation and Parasitism with examples.	07
Q.3	(a) (b)	Explain the role of Indicator Organism with suitable examples. Explain Malthusian theory of growth.	07 07
Q.3	(a) (b)	OR Enlist methods of Population Estimation and explain any one in Write a short note on Territorialism and Dominance Hierarchy.	1 detail. 07 07
Q.4	(a) (b)	How Remote Sensing is useful in Environmental Engineering for Enlist types of Photograph and explain it.  OR	ield? <b>07 07</b>
Q.4	(a) (b)	Write a short note on Indian Remote Sensing Satellite. Discuss Image Interpretation keys in detail.	07 07
Q.5	(a) (b)	Define Scale of Photograph and explain it.  Discuss different types of Sensors used in Remote Sensing tech  OR	07 nique. 07
Q.5	(a) (b)	Why Ground Truth is important in Remote Sensing. Explain GPS in detail.	07 07

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