Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - WINTER 2013

Subj	ect (	Code: 151304 Date: 02-12-2013	
•		Name: Environmental Resources 0.30 am - 01.00 pm Total Marks: 70	
Instru	ction	s:	
	2.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a)	Compare and contrast between conventional and non conventional sources of energy.	07
	<b>(b)</b>	Elaborate the causes of Overpopulation.	07
Q.2	(a)		07
	<b>(b)</b>	What are the purposes, components and advantages of social forestry?	07
		OR	
	<b>(b)</b>	Explain the role of shifting cultivation in deforestation.	07
Q.3	(a)	<u> </u>	07
	<b>(b)</b>		07
0.4		OR	0.5
Q.3	(a)		07
	<b>(b)</b>	Explain how forests act as Environmental buffers.	07
Q.4	(a)	Explain the Malthusian Theory of population. Highlight its limitations.	07
	<b>(b)</b>	Write a note on effects of rapid population growth.	07
		OR	
Q.4	(a)	Write a short note on theory of Demographic transition	08
	<b>(b)</b>	Explain the following terms	00
		(i) Pollution	
		(ii) Self purification	
		(iii)Tragedy of commons	
Q.5	(a)	Enlist and explain the different stages in generation of energy from coal along with environmental impacts at each stage	07
	(b)		0
0.5	(2)	OR Write a brief note on "Solar Energy"	Ω'
Q.5	(a) (b)	<b>.</b>	07 07
	(U)	WITE a note on Conservation of water	U

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