Seat N	No.:			
GUJARAT TECHN		GUJARAT TECHNOLOGICAL UNIVERSITY	OLOGICAL UNIVERSITY	
	F	BE- I st /II nd SEMESTER-EXAMINATION - MAY/JUNE - 2012		
			Date: 28/05/2012 Total Marks: 70	
		me: Environmental Studies		
		0 am - 01:00 pm Total 1		
Instr	ruction	ns:		
1.	Attem	pt any five questions.		
		suitable assumptions wherever necessary.		
	Figures to the right indicate full marks.			
4.	Each o	question carry equal marks		
Q.1	(a)	Explain the importance of environmental education? Discuss the	7	
ν.1	(32)	impact of human on environment.	•	
	(b)	Explain various components of environment.	7	
0.2	(a)	Define the terms (i) Ecosystem (ii) Symbiosis (iii) Autotroph	8	
Q.2	(a)	Define the terms (i) Ecosystem (ii) Symbiosis (iii) Autotroph (iv) Nitrogen fixation.	o	
	(b)	Why sulfur is required for any organism? Explain the sulfur cycle.	6	
	()			
Q.3	(a)	Define the terms (i) Denitrification (ii) Abiotic component	8	
	(b)	(iii) Respiration (iv) Decomposers Discuss types of aquatic ecosystem and their components.	6	
	(0)	Discuss types of aquatic ecosystem and their components.	U	
Q.4	(a)	Discuss the conventional and non conventional energy resources	7	
	(1.)	with their impact on environment		
	(b)	Differentiate malnutrition and undernourishment. Discuss factors t		
		improve the food production.	7	
Q.5	(a)	Define population growth and discuss the factors affecting	7	
_	. ,	population growth.		
	(b)	Explain different sources of water. Discuss problems associated w	ith	
		the over exploitation of water resources.	7	
Q. 6	(a)	Discuss various water quality parameters for safe drinking water.	7	
Q. U	(b)	Describe the unit of sound measurement? Discuss the ways to	,	
	ν-/	control noise pollution.	7	
Q.7	(a)	Discuss various gaseous and particulate air pollutants with their	7	
	(b)	sources. Explain the causes of ozone layer depletion. Why 'Montreal		
	(0)	Protocol' is called a successful international step.	7	
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