## GUJARAT TECHNOLOGICAL UNIVERSITY BE- SEMESTER 1<sup>st</sup> / 2<sup>nd</sup> EXAMINATION (OLD SYLLABUS) – SUMMER - 2017

Subject Code: 110007 Date:06/ Subject Name: Environmental Studies			)6/2017	
Time:2:30 PM to 05:00 PM Total Mai Instructions:		70		
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	<b>(a)</b>	Define the following :- (i) Pollution (ii) Natural Resources (iii)Land Degradation (iv)Environment (v) Food chain (vi) Desertification (vii) Consumers	07	
	<b>(b)</b>	Discuss the importance of environmental education and what are the goals and objectives of environmental education.	07	
Q.2	<b>(a)</b>	Describe the importance of Bio geochemical cycles in biosphere. Explain Nitrogen cycle with the help of a diagram.	07	
	<b>(b)</b>	Define the term Ecology and explain in detail the structure and function of an ecosystem.	07	
Q.3	(a)	Define the term Deforestation. Discuss the major causes and effects of deforestation in detail.	07	
	<b>(b)</b>	Write short note on (i) Ecological Pyramids (ii) Components of environment	07	
Q.4	(a) (b)	Write short note on Impact of technology on environment. Describe in detail the reasons for overpopulation and mention the various problems created by overpopulation.	07 07	
Q.5	(a) (b)	Write short note on (i) Advantages of solar energy (ii) Food web Define the term air pollution. Discuss the various causes and effects of air pollution in detail.	07 07	
Q.6	(a) (b)	Explain in detail the various renewable and non-renewable energy resources. Write short note on (i)Global warming (ii) Sources of noise pollution	07 07	
Q.7	(a) (b)	Write short note on (i) Structure of Atmosphere (ii)Effects of land pollution Define the term Acid rain. Discuss the various causes and effects of acid rain on environment.	07 07	

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