

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER– I & II (NEW) EXAMINATION – WINTER 2019****Subject Code: 2110007****Date: 16/01/2020****Subject Name: Environmental Studies****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Question No. 1 is compulsory. Attempt any four out of remaining Six questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

<b>Q.1</b>	<b>Objective Question (MCQ)</b>	<b>Mark</b>
	(a)	<b>07</b>
	1. Ozone present in ozonosphere protect us by (a)Visible Radiations (b) IR Radiations (c)UV Radiations(d) b & c both	
	2. Eutroification means (a)Rich in nutrients (b) Poor in nutrients (c)Rich in carbon(d) none of these	
	3. Main source of energy in ecosystem is (a)Sun light (b) Trees (c)Glucose(d) None of these	
	4. Capacity to support maximum population is called (a)Carrying capacity(b) Biomass capacity (c)Biotic capacity (d) None of these	
	5. The biotic components of ecosystems are (a) Producers only (b)cosumers only (c) All microbes (d) All of above	
	6. Affect of fluoride pollution is on (a) Eyes (b) Skin (c) Teeth (d)None of these	
	7. Bhopal gas tragedy was due to leakage of (a) Methyl isocynate (b) Chloro Benzene (c) Carbon monoxide (d)None of these	
	(b) <b>Short questions</b>	<b>07</b>
	1. Define : Abiotic Components	
	2. Explain Gross primary production (GPP)	
	3. Define: Eology	
	4. Give the two main Advantages of Hydropower Energy.	
	5. What is Bioremediation?	
	6. Define term “Primary pollutant”	
	7. Define the term Acid rain.	
<b>Q.2</b>	(a) What are the reasons for overpopulation?	<b>03</b>
	(b) What do you mean by sustainable Development?	<b>04</b>
	(c) Explain with sketch “ Nitrogen cycle”	<b>07</b>
<b>Q.3</b>	(a) Define noise pollution. Describe important effects of noise pollution.	<b>03</b>
	(b) Write short note on Tidal Energy	<b>04</b>
	(c) Give the classification of natural resources. Discuss the different conventional and non conventional energy resources.	<b>07</b>
<b>Q.4</b>	(a) Describe the sources of water pollution.	<b>03</b>
	(b) Explain Green house effect.	<b>04</b>
	(c) Discus the effects and control of global warming.	<b>07</b>

<b>Q.5</b>	<b>(a)</b> Define contaminants, pollutants and population explosion.	<b>03</b>
	<b>(b)</b> What are the causes of land degradation?	<b>04</b>
	<b>(c)</b> Write short note on Eutrophication.	<b>07</b>
<b>Q.6</b>	<b>(a)</b> Give full form of: GPCB, GPCB and GSDMA	<b>03</b>
	<b>(b)</b> Discuss the relationship of population and food production.	<b>04</b>
	<b>(c)</b> Discuss the control of Air pollution and noise pollution.	<b>07</b>
<b>Q.7</b>	<b>(a)</b> What are the objects of Environmental protection act 1986.	<b>03</b>
	<b>(b)</b> What are desert ecosystems? Describe its components.	<b>04</b>
	<b>(c)</b> Write short note on ozone depletion.	<b>07</b>

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