Seat No.: _____   Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - II SEMESTER– • EXAMINATION – SUMMER-2016

Subject Code:2220006   **Date: 13/06/2016**

Subject Name: Environmental Studies

Time: 10:30 AM TO 1:30 PM   **Total Marks: 80**

Instructions:
1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Discuss the terms environment and ecology.	**06**
	(b)	Write a note on changing man-environment relationship.	**05**
	(c)	Discuss the terms consumers and decomposers and their importance.	**05**
Q.2	**(a)**	What is an ecological pyramid? Discuss.	**06**
	(b)	Mention the importance of the carbon cycle and oxygen cycle.	**05**
	(c)	Enlist the different types of major ecosystems and discuss any two in detail.	**05**
Q.3	**(a)**	What is the Malthusian Theory of Population? Discuss.	**06**
	(b)	What are natural resources? Write a note on renewable natural resources.	**05**
	(c)	Write a note on non-renewable natural resources. Discuss about role of individual in its conservation.	**05**
Q.4	**(a)**	Describe the situation of scarcity of water amidst plenty of water in India and abroad.	**06**
	(b)	How has deforestation affected the ecosystem? Discuss ways and means for its conservation.	**05**
	(c)	Discuss sources of food and limitations in its production.	**05**
Q.5	**(a)**	What are the pollutants of fresh water? Discuss their effects.	**06**
	(b)	How is water quality measured? Discuss methods of treatment of polluted water.	**05**
	(c)	Write a note on Marine pollution and its effects on marine life.	**05**
Q. 6	**(a)**	Describe the geospheres near surface of the earth. Write a note on primary and secondary air pollutants.	**06**
	(b)	How is noise measured? What are the sources and effects of noise pollution?	**05**
	(c)	What is land degradation? Discuss its effects and control.	**05**
Q.7	**(a)**	Discuss the terms – Greenhouse effect and Global Warming	**06**
	(b)	What is the ozone layer? How is it helping and how is its depletion affecting us?	**05**
	(c)	Write a note on global energy crisis.	**05**

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