

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM. – SEMESTER II – • EXAMINATION – SUMMER - 2018

Subject Code: 2220006

Date: 30/05/2018

Subject Name: Environmental Studies

Time: 10:30 AM TO 01:30 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) Write about the surface and ground water sources.	06
	(b) Write down the causes, effects and control of land degradation.	05
	(c) Explain the role of individual in the prevention of pollution.	05
Q.2	(a) What is an ecological pyramid? Discuss.	06
	(b) Explain Grassland ecosystem and Lake ecosystem in detail.	05
	(c) What are impacts of technology on Environment? Describe impacts on environment by uses of different sources of energy.	05
Q.3	(a) Discuss the terms environment and ecology.	06
	(b) Write the objectives and principles of environmental education.	05
	(c) Describe the terms consumers and decomposers and their relationship.	05
Q.4	(a) What is the Malthusian Theory of Population? Discuss.	06
	(b) Write in brief about causes and effects of thermal pollution.	05
	(c) What is noise pollution? How is it measured? Discuss noise rating systems.	05
Q.5	(a) What are natural resources? Write a note on renewable natural resources.	06
	(b) How has deforestation affected the ecosystem? Discuss ways and means for its conservation.	05
	(c) What are the pollutants of fresh water? Discuss their effects.	05
Q. 6	(a) Explain the hydrologic cycle with a neat sketch.	06
	(b) What do you mean by food chain? Explain different types of food chain with example.	05
	(c) Write a note on global energy crisis.	05
Q.7	(a) Write a brief note on Global Warming and Green House Effect.	06
	(b) Write the causes and effects of acid rain.	05
	(c) Write a note on depletion of ozone layer.	05
