

Seat No.: _____

Enrolment No. _____

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.

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|-------------|-----|--|-----------|
| 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 |
