

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.

- |            |  |           |
|------------|--|-----------|
| <b>Q.1</b> | (a) Write about the surface and ground water sources.  | <b>06</b> |
|            | (b) Write down the causes, effects and control of land degradation.  | <b>05</b> |
|            | (c) Explain the role of individual in the prevention of pollution.   | <b>05</b> |
| <b>Q.2</b> | (a) What is an ecological pyramid? Discuss.  | <b>06</b> |
|            | (b) Explain Grassland ecosystem and Lake ecosystem in detail.  | <b>05</b> |
|            | (c) What are impacts of technology on Environment? Describe impacts on environment by uses of different sources of energy. | <b>05</b> |
| <b>Q.3</b> | (a) Discuss the terms environment and ecology.   | <b>06</b> |
|            | (b) Write the objectives and principles of environmental education.  | <b>05</b> |
|            | (c) Describe the terms consumers and decomposers and their relationship.   | <b>05</b> |
| <b>Q.4</b> | (a) What is the Malthusian Theory of Population? Discuss.  | <b>06</b> |
|            | (b) Write in brief about causes and effects of thermal pollution.  | <b>05</b> |
|            | (c) What is noise pollution? How is it measured? Discuss noise rating systems.   | <b>05</b> |
| <b>Q.5</b> | (a) What are natural resources? Write a note on renewable natural resources.   | <b>06</b> |
|            | (b) How has deforestation affected the ecosystem? Discuss ways and means for its conservation.                             | <b>05</b> |
|            | (c) What are the pollutants of fresh water? Discuss their effects.   | <b>05</b> |
| <b>Q.6</b> | (a) Explain the hydrologic cycle with a neat sketch.   | <b>06</b> |
|            | (b) What do you mean by food chain? Explain different types of food chain with example.                                    | <b>05</b> |
|            | (c) Write a note on global energy crisis.  | <b>05</b> |
| <b>Q.7</b> | (a) Write a brief note on Global Warming and Green House Effect.   | <b>06</b> |
|            | (b) Write the causes and effects of acid rain.   | <b>05</b> |
|            | (c) Write a note on depletion of ozone layer.  | <b>05</b> |

\*\*\*\*\*