

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.

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| 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 |
