

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER II • EXAMINATION – WINTER • 2014**

**Subject code: 2220006****Date: 11-01-2017****Subject Name: Environmental Studies****Time: 02:30 pm - 05:30 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) What do you mean by food chain? Explain different types of food chain with example. **06**
- (b) Explain Grassland ecosystem and Lake ecosystem in detail. **05**
- (c) What is noise pollution? How is it measured? Discuss noise rating systems. **05**
- Q.2** (a) Define pollution, pollutants and population explosion. **06**
- (b) What is biogeochemical cycle? Explain carbon cycle with neat sketch. **05**
- (c) State the types of ecological pyramid and describe the pyramid of energy showing the energy flow. **05**
- Q.3** (a) Enlist different air pollutant and explain their effects on human beings. **06**
- (b) Describe the terms consumers and decomposers and their relationship. **05**
- (c) Write a note on renewable natural resources and its conservation. **05**
- Q.4** (a) Discuss the effects of deforestation on the ecosystem. Explain the means of conservation of forest. **06**
- (b) Write a brief note on Global Warming and Green House Effect. **05**
- (c) Explain the role of individual in the prevention of pollution. **05**
- Q.5** (a) Describe the causes, effects and Control of water pollution. **06**
- (b) Write the causes and effects of acid rain. **05**
- (c) Write a note on depletion of ozone layer. **05**
- Q. 6** (a) Write in brief the impact of technology on environment. **06**
- (b) Write about the surface and ground water sources. **05**
- (c) Write in brief about causes and effects of thermal pollution. **05**
- Q.7** (a) Write down the causes, effects and control of land degradation. **06**
- (b) Explain the hydrologic cycle with a neat sketch. **05**
- (c) Discuss the scope and importance of environment studies in the present day Education System. **05**

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