

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm - SEMESTER– II - EXAMINATION – SUMMER-2017**

**Subject Code: 2220006**

**Date: 12/06/2017**

**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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|-------------|-----|------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Q.1</b>  | (a) | 1) Environment 2) Ecology 3) Nitrogen cycle                                                                            | <b>06</b> |
|             | (b) | Write the objectives and principles of environmental education                                                         | <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.2</b>  | (a) | 1) Deforestation and Desertification 2) Pond ecosystem 3) Decomposer                                                   | <b>06</b> |
|             | (b) | Differentiate the food chain and food web and explain the food chain and food web with one example for each.           | <b>05</b> |
|             | (c) | What is ecological pyramid? Describe the pyramid of mass with sketch.                                                  | <b>05</b> |
| <b>Q.3</b>  | (a) | What is a resource? What is importance of resources in human life? Give classification of resources.                   | <b>06</b> |
|             | (b) | Distinguish between renewable and Non-renewable resources.                                                             | <b>05</b> |
|             | (c) | What are the problems associated with the over exploitation of water resources?                                        | <b>05</b> |
| <b>Q.4</b>  | (a) | Explain the environmental problems posed by population explosion.                                                      | <b>06</b> |
|             | (b) | Write short note on Eutrophication.                                                                                    | <b>05</b> |
|             | (c) | Explain Thermal pollution: causes and effects                                                                          | <b>05</b> |
| <b>Q.5</b>  | (a) | State the measures to control noise pollution also discuss the harmful effects of noise pollution                      | <b>06</b> |
|             | (b) | Discuss various air pollutants                                                                                         | <b>05</b> |
|             | (c) | Discuss role of individuals in the prevention of pollution.                                                            | <b>05</b> |
| <b>Q. 6</b> | (a) | Write note on Acid rain.                                                                                               | <b>06</b> |
|             | (b) | What is land degradation and what are the causes of land degradation?                                                  | <b>05</b> |
|             | (c) | Write short note on Greenhouse effect.                                                                                 | <b>05</b> |
| <b>Q.7</b>  | (a) | What is global warming? What are the impacts of global warming? Which are the measures to reduce global warming?       | <b>06</b> |
|             | (b) | What are the sources of food and explain global food problems.                                                         | <b>05</b> |
|             | (c) | Ozone layer Depletion.                                                                                                 | <b>05</b> |

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