

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-II Remedial Examination September 2009****Subject code: 110007****Subject Name: Environmental studies****Date: 11/09/2009****Time: 11:00am-1:30pm****Total Marks: 70****Instructions:**

1. Write seat no. and enrolment no. at given location on question paper.
2. Attempt all questions.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

- Q.1** (a) Define and explain following terms **05**
(i) Environment (ii) Ecology (iii) Ecosystem (iv) Pollution
- (b) Explain interrelationship between various components of the environment. **05**
- (c) Explain green house effect. **04**
- Q.2** (a) Explain (i) Pond ecosystem (ii) Forest ecosystem **07**
(b) Explain (i) Carbon cycle (ii) Nitrogen cycle **07**
- OR**
- (b) Explain the significance of studying food chain. **07**
- Q.3** (a) Explain the environmental problems posed by population explosion. **05**
(b) How population can be controlled? **05**
(c) State Indian ambient air quality standards. **04**
- OR**
- Q.3** (a) Discuss various reasons for over population. **05**
(b) Write note on Acid rain. **05**
(c) "Water shall be the source of the world's next big conflict". Explain. **04**
- Q.4** (a) What is a resource? What is importance of resources in human life? **05**
Give classification of resources.
- (b) Distinguish between renewable and Non-renewable resources. **05**
- (c) Write the advantages and disadvantages of conventional and Non-conventional energy sources. **04**
- OR**
- Q.4** (a) Write short note on destruction versus conservation. **05**
(b) What are the problems associated with the over exploitation of water resources? **05**
- (c) State and explain different sources of water. **04**
- Q.5** (a) State the Indian standards for drinking water. **05**
(b) Write short note on Eutrophication. **05**
(c) Discuss various air pollutants. **04**
- OR**
- Q.5** (a) State the measures to control noise pollution also discuss the harmful effects of noise pollution. **05**
(b) What is land degradation and what are the causes of land degradation? **05**
(c) Discuss hazardous effects of air pollutants. **04**
