

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V • EXAMINATION – WINTER 2013****Subject Code: 151304****Date: 02-12-2013****Subject Name: Environmental Resources****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

Q.1 (a) Compare and contrast between conventional and non conventional sources of energy. **07**

(b) Elaborate the causes of Overpopulation. **07**

Q.2 (a) What is deforestation? Write a note on effects of deforestation. **07**

(b) What are the purposes, components and advantages of social forestry? **07**

OR

(b) Explain the role of shifting cultivation in deforestation. **07**

Q.3 (a) Write a note on forest harvest and management. **07**

(b) Write a note on desertification. **07**

OR

Q.3 (a) Write a short note on reasons for extinction of wild life. **07**

(b) Explain how forests act as Environmental buffers. **07**

Q.4 (a) Explain the Malthusian Theory of population. Highlight its limitations. **07**

(b) Write a note on effects of rapid population growth. **07**

OR

Q.4 (a) Write a short note on theory of Demographic transition **08**

(b) Explain the following terms **06**

(i) Pollution

(ii) Self purification

(iii) Tragedy of commons

Q.5 (a) Enlist and explain the different stages in generation of energy from coal along with environmental impacts at each stage **07**

(b) Write a brief note on “Advantages and disadvantages of Wind Energy” **07**

OR

Q.5 (a) Write a brief note on “Solar Energy” **07**

(b) Write a note on “Conservation of water” **07**
