

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-Vth Examination December 2010****Subject code: 151304****Subject Name: Environmental Resources****Date: 18 /12 /2010****Time: 03.00 pm - 05.30 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) Enlist the unique characteristics of water and explain any three with examples. **07**
(b) Briefly explain the influence of forest on different components of environment. **07**

- Q.2** (a) Define “Desertification”. Briefly explain the causes and consequences of desertification. **07**
(b) Define the quality of life. Enlist the Parameters affecting the Quality of Life. **07**

OR

- (b) Write a short note on ‘Water management and sustainable water use in India’. **07**

- Q.3** (a) “Population is the route cause of pollution.” Justify the statement. **07**
(b) Explain ‘Malthusian Theory of Maximum Population with the help of neat sketch.’ **07**

OR

- Q.3** (a) Explain the need for Biodiversity Conservation. Also enlist and explain the merits and demerits of In-situ conservation. **07**
(b) Classify the forest and briefly explain the each type of forest. **07**

- Q.4** (a) Define and classify fossil fuels. Discuss the environmental impacts of coal and natural gas. **07**
(b) Enlist advantages and disadvantages of hydropower and also give the impacts of hydro energy on environment. **07**

OR

- Q.4** (a) Describe the relationship between population and food production. **07**
(b) Differentiate between climate change, global warming and green house effect with examples. **07**

- Q.5** (a) Write a short not on “Club of Rome”. Enlist and explain “World problematique.” **07**
(b) Define and explain any three of the followings; **07**
1. Gross National Product
2. Tragedy of Commons
3. Spaceship Earth
4. Environmental Ethics
5. Polluter Pays Principle

OR

- Q.5** (a) Enlist the various application of solar energy and describe anyone with a neat sketch. **07**
(b) Differentiate between ‘Reuse’ and ‘Recycle’ of water with examples. **07**
