

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-V EXAMINATION – WINTER 2015****Subject Code: 151304****Date: 05/12/2015****Subject Name: Environmental Resources****Time: 10:30am to 1:00pm****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) Define & Explain Consumptive & non Consumptive use of water. **07**  
(b) Write a short note on 'Water management & Sustainable water use in India'. **07**
- Q.2** (a) Define natural Resources. Also classify & Explain natural resources in detail. **07**  
(b) Write a short note on 'Insitu Conservation'. **07**
- OR**
- (b) Write a short note on 'Ex-situ Biodiversity Conservation'. **07**
- Q.3** (a) 'Population is the root causes of pollution', justify the statement. **07**  
(b) Explain Malthusian theory of maximum population with the help of neat sketch. **07**
- OR**
- Q.3** (a) Identify the sources of Food & Explain each in detail. **07**  
(b) Describe the relationship between population & food production. **07**
- Q.4** (a) Justify the statement 'Sun as a main source of energy'. **07**  
(b) What is Hydro power energy? Write its advantages & disadvantages. **07**
- OR**
- Q.4** (a) Define 'Ethics' & relate its application to Environment. **07**  
(b) Define Deforestation & briefly explain problems created by deforestation. **07**
- Q.5** (a) Differentiate between climate change, global warming & green house effect with example. **07**  
(b) Enlist & explain merits & demerits of pesticides for protection of crop & food. **07**
- OR**
- Q.5** (a) Define & classify the Fossil fuels. Discuss the Environmental impacts of coal on environment. **07**  
(b) Explain why Ozone layer is Considered as protective layer. Also explain the ozone hole in terms of ozone concentration & its effect on earth. **07**