

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION – SUMMER 2013

**Subject Code: 151304**

**Date: 20-05-2013**

**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) 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) Explain “The Optimum Population Theory” with the help of neat diagram. **07**  
(b) Enlist and explain merits and demerits of pesticides for protection of crop and food. **07**

**OR**

- Q-2** (b) Write a short note on ‘Water management and sustainable water use in India’. **07**

- Q-3** (a) Write short note on “Ex-situ Biodiversity conservation”. **07**  
(b) Define Deforestation and briefly explain problems created by deforestation. **07**

**OR**

- Q-3** (a) Enlist different methods of Population Forecasting and explain any one in detail. **07**  
(b) Define “Ethics” and relate its application to environment. **07**

- Q-4** (a) Define and explain consumptive and non-consumptive uses of water. **07**  
(b) Write a short note on deforestation. **07**

**OR**

- Q-4** (a) Briefly explain the merits and demerits of solar energy. **07**  
(b) Define and classify the fossil fuels. Discuss the environmental impact of coal on environment. **07**

- Q-5** (a) Differentiate between climate change, global warming and green house effect with examples. **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**

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