Seat No: **Enrolment No:-----**

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER– IV(NEW) EXAMINATION – SUMMER 2015

Subject code: 2141308 **Date:05/06/2015**

Subject Name: Environmental Resources

Time: 10:30am-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) Write a short note on Water Budget of India.	**07**
	(b)Define and explain Consumptive and non Consumptive uses of Water.	**07**
Q-2	(a) Identify sources of food. Explain each in detail.	**07**
	(b) Enlist different methods of Population Forecasting and explain any one in detail.	**07**
	OR	
	(b) Enlist and explain merits and demerits of pesticides for protection of crops and food.	**07**
Q-3	(a) Explain the statement "Sun as main energy source ".	**07**
	(b) Define and classify fossil fuel. Discuss environmental impacts of (1) Coal (2) Natural gas (3) Nuclear Power	**07**
	OR	
Q-3	(a)What is Hydropower energy? Write its advantages and disadvantages.	**07**
	(b) Write a short note on Deforestation.	**07**
Q-4	(a) Briefly explain 'Malthusian Theory of Population'.	**07**
	(b) Write a short note on "Ex-situ Biodiversity conservation".	**07**
	OR	
Q-4	(a)Explain the Optimum Population Theory with the help of neat diagram.	**07**
	(b)What are the different types of Forests? Enlist the characteristics of each.	**07**
Q-5	(a) Define "Ethics" and relate its application to Environment.	**07**
	(b)"Population is route cause of pollution". Justify the statement.	**07**
	OR	
Q-5	(a)Differentiate between climate change, global warming and green house effect with examples.	**07**
	(b) Explain the need for Biodiversity Conservation. Also enlist and explain the merits and demerits of In-situ conservation	**07**