

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-IV (New) EXAMINATION – WINTER 2015

Subject Code:2141308

Date:04/01/2016

Subject Name:Environmental Resources

Time: 02:30pm to 05:00pm

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) Explain various uses of water as Resource. **07**
(b) Identify sources of food. Explain each in detail. Also give the limits of food production. **07**
- Q-2** (a) Enlist the unique characteristics of water and explain any three with example. **07**
(b) Define and classify fossil fuel. Discuss environmental impacts of (1) Coal (2) Natural gas (3) Nuclear Power. **07**
- OR
- (b) What is Hydropower energy? Write its advantages and disadvantages. **07**
- Q-3** (a) Define deforestation. Briefly explain problems created by deforestation. **07**
(b) Write a short note on “Ex-situ Biodiversity conservation”. **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) Briefly explain ‘Malthusian Theory of Population’. **07**
- Q-4** (a) Enlist different methods of Population Forecasting and explain any one in detail. **07**
(b) Write a short note on Global Warming. **07**
- OR
- Q-4** (a) Define “Ethics” and relate its application to environment. **07**
(b) Differentiate between climate change, global warming and green house effect with examples.. **07**
- Q-5** (a) Classify the forest and briefly explain the each type of forest. **07**
(b) Explain the term: ‘Population as pollutant’ **07**
- OR
- Q-5** (a) Highlight the role of CO₂ in global warming and enlist other important green house Gases. **07**
(b) Differentiate between ‘Reuse’ and ‘Recycle’ of water with examples. **07**