

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-V Examination-Nov/Dec.-2011

Subject code: 151304

Subject Name: Environmental Resources

Date: 29/11/2011

Time: 2.30 pm -5.00 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) Classify the sources of water and briefly explain any one in detail. **07**
(b) Differentiate between renewable and non renewable resources. **07**
(At least five points)

- Q.2** (a) Briefly explain the various sources of food in detail. **07**
(b) What are the different types of forest? Enlist the characteristics of each. **07**

OR

- (b) Define "Ethics" and relate its application to environment **07**

- Q.3** (a) Write a short on "In-situ Conservation." **07**
(b) Define Biotechnology and briefly explain the role of Biotechnology with reference to Biodiversity conservation. **07**

OR

- Q.3** (a) Enlist different methods of Population Forecasting and explain any one in detail. **07**
(b) Explain the term, "Population as Pollutant." **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** Write a short note on following (Any Two); **14**
1. Global Warming
2. Climate change
3. Green House Effect

OR

- Q.5** (a) Briefly explain the Malthusian Theory of population **08**
(b) Explain the following terms (Any three) **06**

- (i) Pollution
- (ii) Self purification
- (iii) Quality of life
- (iv) Tragedy of commons
