

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V • EXAMINATION – WINTER • 2014****Subject Code: 151304****Date: 01-12-2014****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) Define Deforestation and briefly explain problems created by deforestation **07**
(b) Enlist and explain merits and demerits of pesticides for protection of crop and food. **07**
- Q.2** (a) Explain the need for Biodiversity Conservation. Also enlist and explain the merits and demerits of In-situ conservation **07**
(b) Classify the forest and briefly explain the each type of forest **07**
- OR**
- (b) Differentiate between 'Reuse' and 'Recycle' of water with examples. **07**
- Q.3** (a) Write a short note on 'Water management and sustainable water use in India'. **07**
(b) Enlist the unique characteristics of water and explain any three with examples. **07**
- OR**
- Q.3** (a) Write a note on "Environmental consequences of rapid population growth" **07**
(b) Define renewable and nonrenewable energy resources and give detail classification of both resources. **07**
- Q.4** (a) Briefly explain the merits and demerits of solar energy. **07**
(b) Justify the statement "Sun as main energy source" **07**
- OR**
- Q.4** (a) Highlight role of CO₂ in global warming and enlist other important green house gases. **07**
(b) What is Hydropower energy? Write its advantages and disadvantages **07**
- Q.5** (a) Define natural resource. Also classify and explain natural resources in detail **07**
(b) Enlist different methods of Population Forecasting and explain any one in detail **07**
- OR**
- Q.5** (a) Explain why Ozone layer is considered as protective layer. Also explain the ozone hole in terms of ozone concentration and its effects on earth. **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
