Seat No.:	Enrolment No.

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. Define Deforestation and briefly explain problems created by deforestation **Q.1** 07 Enlist and explain merits and demerits of pesticides for protection of crop and 07 food. **Q.2** Explain the need for Biodiversity Conservation. Also enlist and explain the **07** merits and demerits of In-situ conservation **(b)** Classify the forest and briefly explain the each type of forest 07 Differentiate between 'Reuse' and 'Recycle' of water with examples. 07 **(b) Q.3** Write a short note on 'Water management and sustainable water use in India'. 07 (a) **(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 07 classification of both resources. **Q.4** Briefly explain the merits and demerits of solar energy. 07 Justify the statement "Sun as main energy source" 07 **(b)** OR Highlight role of CO₂ in global warming and enlist other important green house **07 Q.4** (a) gases. What is Hydropower energy? Write its advantages and disadvantages 07 **(b)** 0.5 Define natural resource. Also classify and explain natural resources in detail 07 Enlist different methods of Population Forecasting and explain any one in 07 detail OR **Q.5** Explain why Ozone layer is considered as protective layer. Also explain the 07 ozone hole in terms of ozone concentration and its effects on earth. 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
