Enrol	Iment	No.	

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Sem-I/II Examination June-July 2011

Subject code: 110007Subject Name: Environmental StudiesDate: 4/7/2011Total Marks: 70Time: 10:30 am to 1:00pmInstructions:Time: 10:30 am to 1:00pm

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- Q.1 (a) What is the role of environmental engineer? Discuss the impact of technological development on environment. 07
 - (b) Describe the structure of atmosphere and tabulate the compositions of 07 atmosphere.
- Q.2 (a) Justify that energy flow in ecosystem is unidirectional and non cyclic and 07 explain the nutrient cycling in ecosystem.
 - (b) What is the meaning of biogeochemical cycle? Draw the carbon cycle and 07 explain its functioning.

OR

- (b) Give the classification of Ecology and explain the different parts of an 07 ecosystem.
- Q.3 (a) What is meant by Ecological Pyramid? Describe the pyramid of biomass 07 for terrestrial and aquatic ecosystem.
 - (b) Define food chain and discuss different trophical levels of it. 07 OR
- Q.3 (a) Differentiate renewable and non renewable energy resources and discuss 07 the effect of everyopulation on energy problems.
 - (b) Define population growth and describe the different ways to control 07 population growth
- Q.4 (a) Explain the conventional and non conventional energy resources. Discuss 07 use of solar energy in India
 - (b) Describe the uses of different water resources and explain any two 07 techniques of water conservation used in India.

OR

- Q.4 (a) Enumerate different primary and secondary air pollutants and explain the 07 effect of carbon monoxide on human beings.
 - (b) Give the classification of forests and discuss the effects of deforestation on 07 society.
- Q.5 (a) Discuss briefly current global environmental problems and discuss green 07 house effect in details.
 - (b) Write short notes on(i) Land degradation (ii) Ozone depletion 07

OR

- Q.5 (a) What is Noise pollution? How is it measured? Describe the effects of noise 07 pollution on human and animals.
 - (b) What are different types of pollutions? Describe the causes and effects of 07 Eutrophication

Download all NOTES and PAPERS at StudentSuvidha.com