

Code: CE1T4, ME1T4, CS1T4, EE1T4, EE2T4RS

**I B.Tech - I Semester – Regular/Supplementary Examinations  
December 2016**

**ENVIRONMENTAL STUDIES  
(Common for CE, ME, CSE & EEE)**

Duration: 3 hours

Max. Marks: 70

**PART – A**

Answer *all* the questions. All questions carry equal marks  
11x 2 = 22 M

1.

- a) Explain about renewable and non-renewable resources.
- b) Write about land degradation.
- c) Describe benefits and problems associated with dams.
- d) What are the environmental effects of mining?
- e) Give biotic and abiotic components of an ecosystem.
- f) What is endemic species and where these are found in India?
- g) Discuss the causes and effects of thermal pollution.
- h) What are the impacts of Nuclear hazards?
- i) Write briefly Ozone layer depletion causes.
- j) Explain about Kyoto protocol.
- k) What are the technological solutions for pollution control?

## PART B

Answer Any **THREE** the questions. All questions carry equal marks

16 x 3 = 48 M

2. a) Explain about deforestation, what are the effects on forest and tribal people? 8 M
- b) Write a note on Organic farming, Bio- fertilizers and Bio-pesticides. 8 M
3. a) What is meant by ecological pyramid, explain the different types of pyramids and their flow of energy. 8 M
- b) Define biodiversity and explain about threats of biodiversity. 8 M
4. a) What is air pollution, and what are the causes effects and control measures? 8 M
- b) Give an account of solid waste management. 8 M
5. a) What is meant by climatic change and their impacts on human environment? 8 M
- b) What is the role of IT in environment and human health? 8 M
6. a) What is meant by Green-belt development and Rain water harvesting? 8 M
- b) Describe the different environmental assets you documented in your local polluted sites. 8 M