

Code: CE1T4, CS1T4, EE1T4, ME1T4

I B.Tech - I Semester – Regular Examinations - January 2015

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

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1. a) What are the benefits and problems of constructing dams?
- b) Write a note on land degradation.
- c) What are the different ways of controlling fertilizers?
- d) Write a note on salinity.
- e) What are the functions of eco system?
- f) Define ecological succession.
- g) Write the strategies for abatement of water pollution.
- h) Write note on global climatic change.
- i) What are hot-spots?
- j) Give the names of endangered and endemic species in India.
- k) What is meant by eco tourism?

PART – B

Answer any **THREE** questions. All questions carry equal marks. 3 x 16 = 48 M

2. a) Explain the Environmental effects of extraction and using of mineral resources. 8 M
- b) Discuss the role of alternate energy source in meeting the growing energy needs. 8 M
3. a) Write an account on food chain, food web and ecological pyramids. 8 M
- b) Write the different values of bio diversity. 8 M
4. a) Define Environmental pollution. Explain the causes, effects and control measures of soil pollution. 8 M
- b) How do you classify solid waste? What are its characters? 8 M
5. a) List the gases responsible for global warming. Explain the possible consequences of green house effect. 8 M
- b) Write a note on: 8 M
- i) Kyoto protocol. ii) Montreal protocol

6. a) Write a note on environmental protection acts. 8 M

b) Methodically record the different physical and biological elements in water eco system you documented in your local field visit. 8 M