

Code: EC 1T6, EM1T6, ME1T6

I B.Tech-I Semester-Regular Examinations-February 2013

ENVIRONMENTAL STUDIES

(Common for ECE, ECM, Mechanical)

Duration: 3hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

- 1) a) Define ecosystem. Explain characteristic features,
Structure and function of ecosystems. (7m)
- b) Explain the food chains and food webs. (7m)
- 2) a) Give an account of natural energy resources in India(7m)
- b) Write a note on Bio-fertilizers and Bio-pesticides (7m)
- 3) a) Explain the Bio-geographical classification of India.(7m)
- b) Discuss the threats to biodiversity (7m)
- 4) a) Write a note on sources, effects and control measures in
air pollution (SPM) (9m)
- b) Explain the E-waste and management (5m)
- 5) Write a note on:
 - a) Earth Summit 1992 (7m)
 - b) Green house effect (7m)
- 6) a) Explain the rain water harvesting and watershed
management (7m)

- b) Explain the Environmental Impact Assessment (7m)
- 7) Write a note on
- a) Discuss the role of IT in environment and human health (7m)
 - b) Explain the urban problems related to energy (7m)
- 8) a) Write a note on “Effluent treatment plant” of your local visit to any industry. (7m)
- b) Explain the concept of green buildings and clean development mechanism (7m)