

Code: IT2T4, EC2T4, AE2T6

I B.Tech - II Semester – Regular Examinations – April 2016

ENVIRONMENTAL STUDIES
(Common for IT, ECE & AE)

Duration: 3 hours

Max. Marks: 70

PART – A

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

11 x 2 = 22 M

1.

- a) Write five causes of deforestation.
- b) What are the impacts of construction of Dams?
- c) Write short notes on water logging and salinity.
- d) Explain about organic farming.
- e) Define food chain with examples of a pond ecosystem.
- f) India is a mega –diversity nation, justify.
- g) Give a brief account on effects of air pollution.
- h) Write short notes on sources of solid wastes.
- i) Write briefly on Green house gasses.
- j) Explain about Earth summit.
- k) Write a short note on Rain water harvesting.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

3 x 16 = 48 M

2.

- a) What is soil erosion? What are the causes of land degradation and desertification?

8 M

- b) Explain about mineral exploitation. What are the environmental effects of Extracting minerals? 8 M
- 3.
- a) Write about food chains, food webs and ecological pyramids. 8 M
- b) What is meant by biodiversity? Explain Hot-spots of biodiversity. 8 M
- 4.
- a) What is radioactivity pollution? Discuss sources and effects of radiation. 8 M
- b) What are the factors affecting waste generation? Explain collection and disposal of solid waste. 8 M
- 5.
- a) Explain about Greenhouse effect, Global warming and Ozone layer depletion. 8 M
- b) What is the relation between environment and human health? 8 M
- 6.
- a) Write a notes on remote sensing and GIS methods of technological solutions for pollution control. 8 M
- b) Explain about the different environmental assets you documented in local Industrial visit. 8 M