

Code: EC1T6,EM1T6,ME1T6

I B.Tech-I Semester – Regular Examinations-February 2014

ENVIRONMENTAL STUDIES
(Common for ECE, ECM, Mechanical)

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

- 1 a) Describe the biotic and abiotic components of an ecosystem. 7 M
- b) What are Bio-geochemical cycles? Explain Nitrogen cycle with a neat sketch. 7 M
- 2 a) Define 'soil erosion' and discuss different soil conservation practices. 7 M
- b) Discuss the causes and consequences of deforestation? 7 M
- 3 a) Enumerate the values of Biodiversity. 7 M
- b) What are the Hot-spots of Biodiversity? Which are the Hot-spots found in India? Discuss its salient features. 7 M
- 4 a) How does thermal pollution affect aquatic life? Explain the measures to control it. 7 M
- b) Classify solid waste and explain the modern methods of solid waste management. 7 M

- 5 a) Discuss the significant features of Earth Summit, 1992. 6 M
- b) What are Green house gases? Discuss the phenomenon of Green house effect along with its control methods. 8 M
- 6 a) Explain the Environmental impacts of ever growing population in India. 7 M
- b) Discuss the salient features of Forest conservation Act, 1980 7 M
- 7 a) "Population, Consumerism and waste products are interrelated," Comment. 6 M
- b) Explain the role of Information Technology in management of environment. 8 M
- 8 a) List out different plants, insects and birds in a simple ecosystem you have seen in a local field visit. 7 M
- b) Share your experiences in visiting a local area to document Environmental Assets. 7 M