

Code: IT2T4, EC2T4, AE2T6

**I B.Tech - II Semester – Regular Examinations – JULY 2015**

**ENVIRONMENTAL STUDIES**  
**(Common for IT, ECE & AE)**

Duration: 3 hours

Max. Marks: 70

**PART – A**

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

1. a) What are the different series we get from the forest resources?
- b) What is meant by environmental studies?
- c) Write a brief note on Land degradation.
- d) What is biodiversity?
- e) Explain energy flow in food chain.
- f) What is meant by thermal pollution?
- g) What is meant by solid waste management?
- h) Write some methods to control water pollution.
- i) Write a short note on climate changes.
- j) Explain population and its explosion.
- k) Explain environmental protection act.

## PART – B

Answer any **THREE** questions. All questions carry equal marks.  $3 \times 16 = 48 \text{ M}$

2. a) Discuss the conflicts related to water resources and Explain the importance of water resources.  $4 \text{ M} + 4 \text{ M}$

b) Discuss the environmental effects on the use of mineral resources.  $8 \text{ M}$

3. a) Write a notes on

i) Biodiversity in India  $4 \text{ M}$

ii) Current threats to our biodiversity.  $4 \text{ M}$

b) Give an account of the energy flow in ecosystem. Discuss briefly the role of Producers, consumers and decomposers in an ecosystem.  $3\text{M} + 5\text{M}$

4. a) What are the causes of air pollution and how can air pollution be minimized?  $4 \text{ M} + 4 \text{ M}$

b) What adverse effects can solid waste cause? How can the solid waste be managed?  $4 \text{ M} + 4 \text{ M}$

5. a) Discuss the role of Information Technology in Environment.  $8 \text{ M}$

b) Write a brief note on ozone layer depletion and its prevention. What are the strategies to achieve sustainability? 5M + 3M

6. a) What is environmental management plan? Explain its Significance. 8 M

b) What is environmental Impact assessment? What are the different Impact Components? Explain. 4 M + 4 M