

C 31810

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**FOURTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION  
JUNE 2007**

**EN 04 402—ENVIRONMENTAL STUDIES**

**(2004 Admissions)**

**(Common to all Branches)**

**Time : Three Hours**

**Maximum : 100 Marks**

**Part A**

- I. 1 Explain the root cause of the current disaster of Tsunami.  
2 Briefly explain the idea of progress and our attitude towards Nature.  
3 What is Global Warming ?  
4 Explain a food chain and food web.  
5 What is a biome ? Give examples.  
6 What is the edge effect ? What is its importance ?  
7 What happens to the energy flow as we move up the trophic levels ?  
8 What are the main components of an ecosystem ?  
9 How can solid waste be recycled ?  
10 What are the ways of managing waste ?  
11 Explain CETPs ?  
12 What is ship-breaking and why is it a complex task ?  
13 Explain the conflict between development and environment.  
14 Explain the community based rural water harvesting in India.  
15 Explain the causes and effects of acid rain.  
16 What is the ozone layer and why is getting depleted ?

**Part B**

- I. (a) Explain the root cause of the current environmental crisis through the four spikes.  
Or  
(b) Explain the various types of natural resources. (Conventional and unconventional)
- III. (a) Describe the processes of primary and secondary ecological succession.  
Or  
(b) Explain the ecological and economic services provided by ecosystem.

**Turn over**



IV. (a) What are the reasons for the worsening water situation in so many countries? What is likely to happen in another 40 years or so?

Or

(b) What negative role do cities play in the demand and supply of water? How can this be corrected?

V. (a) Discuss on environmental degradation.

Or

(b) Discuss the employment situation in India.