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Name:

Reg. No.

**FOURTH SEMESTER B.TECH (ENGINEERING) DEGREE EXAMINATION
JUNE 2008**

EN 04 002 ENVIRONMENTAL STUDIES

(2004 admissions)

(Duration: 3 hours)

Time Hours:

Maximum: 100 Marks

(Answer any 12 out of 15)

1. How does land exploitation result in environmental degradation?
2. What are the effects of heavy forest depletion on the environment?
3. Briefly discuss about the prospects of renewable energy sources.
4. What is food chain? Why is organic decomposition, modern fertilizer, pesticide can provide in food chain?
5. What are the constituents of an ecosystem?
6. Discuss about the energy pyramid in an ecosystem.
7. How biodiversity can be conserved?
8. What is the effect of insecticides on the growth of our country?
9. Briefly discuss about the classification of solid wastes.
10. Discuss about BOD, COD, TSS.
11. What is the contribution of agro industry in the implementation of environmental acts?
12. What are the sources of noise pollution?
13. How does nuclear hazard happens?
14. What are the problems faced by ozone layer depletion?
15. How does population growth affect the economy of a country?
16. Discuss about the role of information technology in upkeeping the environment.

(12 x 5 = 60 marks)

- (i) (a) What are the naturally available mineral resources? Discuss about the impact of extraction of these in environment.
- (b) How can natural resources be conserved? Discuss about the future energy options.
- (ii) (a) Discuss in detail about one type of desertification.
- (b) How does biodiversity can be conserved? Explain.

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(ii) What are the effects of atmospheric pollutants in human life? Discuss about acute effect and chronic effect.

Or

(vi) Discuss in detail about disaster management.

(v) What is the purpose of conservation? Discuss the ways by which it can be implemented.

Or

(ii) What is the role of education in environmental protection? Explain.

(1 × 10 = 10 marks)