

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Second Semester

Computer Science and Engineering

CY 1201 — ENVIRONMENTAL SCIENCE AND ENGINEERING

(Common to : Bio-medical, Electronics and Communication Engineering and  
Information Technology, and Part-Time B.E., First Semester, Civil, Electrical and  
Electronics, Electronics and Communication and Computer Science Engineering  
(Regulation 2005))

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define environmental science.
2. State any problems caused by the construction of Dam.
3. What are the Conventional sources of Energy for the mankind?
4. Define producers.
5. Name the four ecosystems.
6. Enumerate the human activities which destroy the biodiversity.
7. Write any two causes of soil pollution.
8. When a sound causes noise pollution?
9. What is acid rain?
10. State the role of information technology in Environment.

PART B — (5 × 16 = 80 marks)

11. (i) Population explosion affects the environment seriously—discuss. (8)
- (ii) Deterioration of Environment leads to deterioration of human health.  
Justify. (8)

12. (a) Explain in detail the role of an individual in conservation of natural resources.

Or

- (b) What are the major causes of deforestation? Discuss its consequences.
13. (a) (i) Discuss the threat faced by Indian Biodiversity.  
(ii) Explain the strategy adopted to conserve biodiversity.

Or

- (b) What is an ecosystem? Describe the structure and function of various components of an ecosystem.
14. (a) What are the major pollutants of atmosphere? Enumerate the adverse effects caused by these pollutants.

Or

- (b) (i) How will you take care of Solid wastes generated in urban areas?  
(ii) Explain Bhopal gas tragedy.
15. (a) (i) What is meant by Rain Water Harvesting? Why is it necessary now-a-days?  
(ii) Discuss about Global Warming.

Or

- (b) Name the laws that have been framed for environmental protection and mention the objectives for each act.
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