

ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE  
B.E. / B.TECH. DEGREE EXAMINATIONS : NOV / DEC 2011  
REGULATIONS : 2008  
THIRD SEMESTER  
080100016 - ENVIRONMENTAL SCIENCE AND ENGINEERING  
(COMMON TO CIVIL / CSE / IT)

Time : 3 Hours

Max.Marks : 100

PART - A

(10 x 2 = 20 Marks)

ANSWER ALL QUESTIONS

1. Give the classification of biotic component of ecosystem.
2. Define consumers & Classify them.
3. What are point and non-point sources of water pollution.
4. Define noise pollution Define consumers & Classify them.
5. What is soil erosion? How can it be controlled?
6. State the environmental effects of extracting & using mineral resources
7. What is acid rain?
8. What is watershed management?
9. What is Zero Population Growth?
10. Define Population explosion

PART - B

(5 x 16 = 80 Marks)

ANSWER ALL QUESTIONS

11. (a) (i) What is biodiversity.What are the reasons for decline for biodiversity. (8)
- (ii) Write about Conservation of bio-diversity in detail. (8)

(OR)

11. (b) (i) Define Ecological pyramids and explain different types of ecological pyramids. (8)

- (ii) Describe the types, characteristics features, structure& function of forest ecosystem . (8)

12. (a)(i) Discuss briefly the disposal of Municipal solid waste management. (8)

- (ii) Explain the causes, effects and control measures of water pollution. (8)

(OR)

12. (b)(i) Write a brief note on thermal pollution . (8)

- (ii) Explain the causes and effects of Air pollution. (8)

13. (a)(i) What are the causes of deforestation? Explain in detail. (8)

- (ii) Discuss the consequences of overdrawing surface and Ground water. (8)

(OR)

13. (b)(i) What are the effects of modern Agriculture?. (8)

- (ii) Discuss in detail about soil conservation practice. (8)

14. (a)(i) Explain nuclear accidents and holocaust. (8)

- (ii) Write notes on Rain water Harvesting. (8)

(OR)

14. (b)(i) Explain forest conservation act. (8)

- (ii) Write the factors influence the unsustainable to sustainable development. (8)

15. (a)(i) Explain the role of IT in environment and human health. (12)

(ii) Write short note on Value Education. (4)

(OR)

15. (b)(i) Population explosion affects the environment seriously – discuss. (8)

(ii) Discuss about HIV / AIDS. (8)

\*\*\*\*\*THE END\*\*\*\*\*