

13HS1003**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)****I B. Tech II Semester Supplementary Examinations, August-2015****ENVIRONMENTAL STUDIES****(Common to CIVIL, ME, CSE&IT)****Time: 3 hours****Max Marks: 70****PART- A****Answer all questions****[10 X 1=10M]**

1. Comment on the following Terms

- a). Biosphere
- b). Aquifer
- c). Species Diversity
- d). Hot Spots
- e). Man made pollution
- f). Nutrients
- g). Sustainable development
- h). Disaster
- i). Population problems
- j). GIS

PART -B**Answer one question from each unit****[5×12= 60M]****UNIT-I**

- 2. a) What is an environment? Enumerate and discuss various signature of environment in brief [6M]
- b) What are the major causes and consequences of deforestation? [6M]

(OR)

- 3. a) Why is environmental studies considered as a multi disciplinary subject. [6M]
- b) What is the role of an individual in conserving different natural resources? [6M]

UNIT-II

- 4. a) Write a short note on food chain. [6M]
- b) What are the major threats to bio-diversity? [6M]

(OR)

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5. a) Write the structure and function of forest ecosystem. [6M]
b) What are the major conservation steps to conserve bio-diversity? [6M]

UNIT-III

6. a) Briefly describe the sources, effects and control of noise pollution. [6M]
b) What is waste management? Write a note on sources of urban wastes. [6M]

(OR)

7. a) Write a short note on Bhopal Gas tragedy and Chernobyl Nuclear disaster. [6M]
b) What adverse effect can solid waste cause? How can solid wastes be managed? [6M]

UNIT-IV

8. a) What are the major issues and problems related to rehabilitation of displaced tribal's? Discuss in the light of some case studies. [6M]
b) Write short note on ozone layer l and climate change, [6M]

(OR)

9. a) Discuss the salient features of the Wild Life Protection Act,1972. [6M]
b) Write a detailed note on water shed management. [6M]

UNIT-V

10. a) Explain population growth patterns and problems in developing nature? [6M]
b) Write a document on a visit to a local polluted river. [6M]

(OR)

11. a) Write a detailed note on role of Information Technology in environment and Human health. [6M]
b) Write a document on local pond system. [6M]

13CS1001**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)****I B. Tech II Semester Supplementary Examinations, August- 2015****COMPUTER PROGRAMMING****(Common to ECE & EEE)****Time: 3 hours****Max Marks: 70****PART-A****Answer all questions****[10 X 1 = 10M]**

1. a) Define an algorithm .
- b) Determine the value of the following logical expression if a=5,b=10 and c=-6
a<b && a>c.
- c) What is the difference between while and do-while statements?
- d) Compare break and continue statements.
- e). Explain the need for array variables.
- f) Distinguish between actual and formal arguments.
- g) What is a pointer?
- h) How does a structure differ from an array?
- i) What is the significance of EOF?
- j) What is the difference between text file and binary file?

PART-B**Answer one question from each unit****[5 X 12=60]****UNIT – I**

2. a) Write an algorithm and draw a flowchart to find the sum of the odd numbers between 1 and 50.
 - b) What are the logical operators used in C and illustrate with examples [6M + 6M]
- (OR)**
3. a) Write the various steps involved in executing a C program and illustrate it with a help of flowchart. [6M]
 - b) What are the basic characteristics of an algorithm? Explain them with an example. [6M]

UNIT – II

- 4 a) Given a number, write a program using While loop to reverse the digits of the number.
 - b) Explain about nested for loops. Give one example. [6M + 6M]
- (OR)**
- 5 a) Write a program to read the age of 100 persons and count the number of persons in the age group 50 to 60. Use for and continue statements.
 - b) In what ways does a switch statement differ from an if statement? [7M + 5M]

UNIT – III

6. What is a recursive function? Write a program for finding factorial of a number with recursion and without recursion. [12M]

(OR)

7. a) Describe the limitations of using getchar and scanf functions for reading strings.
b) Write a program which will read a string and rewrite it in the alphabetical order. [6M + 6M]

UNIT – IV

8. a) Explain various operations that can be performed on pointers with example.
b) Write a C function using pointers to exchange the values stored in two locations in the memory. [6M + 6M]

(OR)

9. a) How bits are manipulated using bit fields in 'C' explain?
b) What is the use of typedef in structure declaration? [6M + 6M]

UNIT– V

10. a) What are the three steps that are followed while accessing a file?
b) Write a program to convert the case of alphabets in a text file. [4M + 8M]

(OR)

11. Write a program to count the number of words, lines and characters in a file and write it to an output file. [12M]