AR16

CODE: 16HS1003   **SET-1**

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)
I B.Tech II Semester Supplementary Examinations, August-2017
ENVIRONMENTAL STUDIES
(Common to CE, ME, CSE & IT Branches)

Time: 3 Hours   **Max Marks: 70M**

Answer ONE Question from each Unit

All Questions Carry Equal Marks

All parts of the question must be answered in one place only

UNIT-I

1.	a	Explain the need for public awareness of environmental studies	6 M
	b	Write a detailed note on dams and their effect on forests and tribal people	8 M
		(OR)	
2.	a	Write a short note on water logging and soil erosion	8M
	b	Discuss the impact of over exploitation of mineral resources	6 M

UNIT-II

3.	a	What is an ecosystem? Explain its structure and functions	8 M
	b	Explain various threats and measures recommended for conservation of biodiversity	6 M
		(OR)	
4.	a	Write the structure and functions of forest ecosystem	7 M
	b	Discuss the value of biodiversity	7 M

UNIT-III

5.	a	Write the causes, effects and control of air pollution	8 M
	b	Explain the methods of disposal of solid waste	6 M
		(OR)	
6.	a	Explain the causes, effects and control of noise pollution	8 M
	b	Write a detailed note on any one natural disaster	6 M

UNIT-IV

7.	a	Explain urban problems related to energy	8 M
	b	Discuss briefly on Indian Environment Acts	6 M
		(OR)	
8.	a	Explain resettlement and rehabilitation issues by taking Sardar Sarovar dam case	6 M
	b	Explain short notes on global warming and EIA	8 M

UNIT-V

9.	a	Discuss how IT is helpful in improve human health and environment	8 M
	b	Explain the factors affecting variation of population	6 M
		(OR)	
10.	a	Explain the methods to control population	7 M
	b	Prepare a report on your field work while visiting any municipality	7 M

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(AUTONOMOUS)
I B.Tech II Semester Supplementary Examinations, August-2017

COMPUTER PROGRAMMING
(Common to EEE & ECE Branches)

Time: 3 Hours   Max Marks: 70M

Answer ONE Question from each Unit
All Questions Carry Equal Marks
All parts of the question must be answered in one place only

UNIT-I

1. a) Define algorithm. What are the characteristics of algorithm? Write an algorithm to check whether a given number is even or odd. [7 M]

   b) Explain about conditional operator and bit wise operator with example program. [7 M]

(OR)

2. a) What is a token in C? Define variable and identifier. Write the rules for naming variable and identifier in C. [7 M]

   b) What is a program? Write the structure of a C program. Explain it briefly [7 M]

UNIT-II

3. a) Write syntax of *else if ladder* statement and draw its flow chart. Explain it with a suitable example. [7 M]

   b) Write a C program which reads 3 integers and prints the largest among them using conditional operator. [7 M]

(OR)

4. a) Differentiate between entry controlled and exit controlled loop with suitable program. [7 M]

   b) What is the advantage of switch statement over else if ladder statement? Write the syntax of it and draw its flow chart. [7 M]

UNIT-III

5. a) How a two dimensional array is stored in memory? How will you declare it and access elements of it? Explain with a program [7 M]

b) Write a C program to find out sum of cubes of first n natural numbers using array.   [7 M]

(OR)

6. a) Write a program to add two matrixes.   [7 M]
   b) What do you mean by parameter pasing? Discuss about different parameter passing techniques in C with suitable example.   [7 M]

UNIT-IV

7. a) What is a pointer? How will you access elements of one dimensional array using pointer? Explain it with a program.   [7 M]
   b) What is a structure? How will you declare it? How will you access members of a structure? Discuss it with a program.   [7 M]

(OR)

8. a) How will you pass a pointer in a function? Write a C program to demonstrate it.   [7 M]
   b) What do you mean by dynamic memory allocation? Explain about different functions for it.   [7 M]

UNIT-V

9. a) Write the use and syntax of random access functions in file handling.   [7 M]
   b) Write a c program to count number of even and odd numbers present in a given text file.   [7 M]

(OR)

10. a) Write a c program to write text (characters) into a file and print the contents of the file.   [7 M]
    b) Write syntax of fopen( ), fclose ( ) and fseek ( ) functions. Discuss about the uses of these function with suitable example.   [7 M]