AR16

CODE: 16HS1003 **SET-1**

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI

(AUTONOMOUS)

I B.Tech II Semester Regular Examinations, June-2017

ENVIRONMENTAL STUDIES

(Common to CE, MECH, 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 at one place

UNIT-I

1.	a)	Write the different advantages and disadvantages of dams	6M
	b)	What are the reasons for land degradation and write notes on soil erosion	8M
		(OR)	
2.	a)	Explain various merits and demerits in using non-renewable energy Resources?	6M
	b)	Explain the concept of sustainable agricultural methods	8M

UNIT-II

3.	a)	Discuss in brief the biodiversity at Global Level and National Level	6M
	b)	Explain the important types and characters of a desert ecosystem	8M
		(OR)	
4.	a)	Illustrate how ecosystems will strictly follow the two laws of thermodynamics along with flow diagram.	6M
	b)	Discuss the various threats frequently facing by wildlife from man.	8M

UNIT-III

5.	a)	Write notes on floods and earthquakes	6M
	b)	Explain the different disposal methods of urban wastes	8M
		(OR)	
6.	a)	Define pollutant; explain different general and source control techniques to control air pollutants.	6M
	b)	Define noise, explain different effects and control methods of noise pollution	8M

UNIT-IV

7.	a)	Explain about any two global environmental challenges	6M
	b)	Describe the need to conserve water and point out the important water conservation methods can be adopted at every home	8M
		(OR)	
8.	a)	Explain the main objectives and provisions of water pollution act.	7M
	b)	Explain the main objectives and provisions of forest conservation act	7M

UNIT-V

9.	a)	Prepare a report on your field work while visiting any municipality	6M
	b)	Discuss how IT is helpful to improve the human health and environment	8M
		(OR)	
10.	a)	Explain about population growth patterns	6M
	b)	Write the report on any mining site that you have visited.	8M

AR16

CODE: 16CS1001 **SET-1**

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI

(AUTONOMOUS)

I B.Tech II Semester Regular Examinations, June-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 at one place

UNIT-I

1.	a)	What is flowchart ?Draw a flowchart to find the sum of first 50 natural numbers	**7M**
	b)	Design an algorithm to find the nature of the triangle when sides are given	**7M**
		(OR)	
2.	a)	Discuss about fundamental data types in C Language.	**7M**
	b)	What are the different operators in c? Explain with suitable Program.	**7M**

UNIT-II

3.	a)	Given an integer between 0 and 6, write a program that prints the corresponding day of the week. Assume that the first day of the week (O) is Sunday	**7M**
	b)	What is the difference between break and continue? Explain with Example programs.	**7M**
		(OR)	
4.	a)	Explain different types of iterative loops(while, for and do-while) with syntax and Give examples	**7M**
	b)	Build a program to read a C alphabet and then print "DIGIT" if it is between 0 to 9 else print "LETTER" if it exists between 'a' to 'z' or between 'A' to 'Z' else print "SPECIAL SYMBOL" using else if ladder	**7M**

UNIT-III

5.	a)	Write a program to find the transpose of a matrix	**7M**
	b)	A list of failed registered numbers of students is stored in an array. Write a program to determine whether a given register number is in the list using linear search	**7M**
		(OR)	
6.	a)	Write a function reverse and call this function in main to find the reverse of the given integer number.	**7M**
	b)	Write a function to return largest of a list of integer and call this function in main to find largest of a given list of integer values. Write separate functions to read values to the array.	**7M**

UNIT-IV

7.	a)	What is a Structure? Write program to a structure Employee with member's empno, empname, salary, input the details and print employee's details using array of Structures.	**7M**
	b)	Write a program to sort n integers using Dynamic memory allocation.	**7M**
		(OR)	
8.	a)	Write a program to compare two strings by using pointers.	**7M**
	b)	Explain the concept of passing Pointers to a Function and demonstrate with an example Program.	**7M**

UNIT-V

9.	a)	Explain about file Handling Functions	**7M**
	b)	Write a program to read student data consisting of Id.No, Name and marks in six subjects from the keyboard, write it to a file called INPUT, again read the same data from the file INPUT, and find the total and percentage marks of each student. Display the output in tabular form.	**7M**
		(OR)	
10.	a)	Describe the Significance of Files and also explain the File I/O functions with an example Program	**7M**
	b)	Write a Program to copy the contents of one file to other file.	**7M**

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