Q.P. Code: 16CS501			
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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS) D. Task I. Yaar I. Samaatar (D4C). Degular & Supplementary Exeminations. Dec 2047			
B.Tech I Year I Semester (R16) Regular & Supplementary Examinations Dec 2017 COMPUTER PROGRAMMING (Common to All Branches)			
Time: 3 hours Max. Marks: 60			
(Answer all Five Units 5 X 12 = 60 Marks)			
UNIT-I			
1	a.	Define an Algorithm and write an algorithm to find the roots of a quadratic equation.	6M
	b.	Explain the various data types used in C. OR	6M
2	a.	Draw a flow chart to find the factorial of a given number.	6M
	b.	What is a variable? Explain the rules for declaring it.	6M
		UNIT-II	
3	a.	Explain various decision making statements in C.	8M
	b.	Write a C program to find the smallest out of 3 numbers.	4M
		OR	
4	a.	Describe the syntax of "do-while" loop with an example.	6M
	b.	List and explain unconditional statements in C.	6M
F	-	UNIT-III UNIT-III	
5	а.	How do you declare and initialize a two-dimensional array? Explain with a suitable example.	8M
	b.	Write a C program to check whether the given string is a palindrome or not?.	4M
		OR	
6	a.	Write a c program to search for an element in a given array of elements.	6M
	b.	How do you declare and initialize array of strings?	6M
		UNIT-IV	
7	a.	What is a function? Explain its advantages.	6M
	b.	Write a C program to simulate call-by value.	6M
		OR	
8	a. b	Explain various arithmetic operations using pointers.	6M
	b.	Explain various storage classes in C.	6M
9	a.	Define a structure and write the general form for declaring and accessing members of a structure.	8M
	b.	Distinguish between structures and Unions.	4M
10	~	OR Discuss about command line arguments	CN 4
10	a.	Discuss about command-line arguments. Explain the following.	6M
	b.	(i) fgets() (ii) fputs() (iii) fseek()	6M
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