[B19CS1201]

SAGI RAMA KRISHNAM

I B.Tech II Semester (R19) Regular Examinations.

PROGRAMMING FOR PROBLEM SOLVING USING C

(Common to CE,EEE & ME)

MODEL QUESTION PAPER

Time : 3Hrs **Max. Marks :75 M**

Answer **ONE Question** from **EACH UNIT.**

All questions carry equal marks.

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			CO	KL	M
		UNIT - I			
1.	a).	Describe varis types of computer languages	CO1	K2	8M
	b).	Explain varis types of Number systems?	CO1	K2	7M
		OR			
2.	a).	Explain varis data types in C Language	CO1	K2	8M
	b).	Define an operator? Describe Increment and decrement operator with an example	CO1	K1	7M
		UNIT - II			
3.	a).	Explain varis types of Bitwise Operators with examples	CO2	K2	8M
	b).	Differentiate between if statement and if-else statement with suitable examples and proper syntax	CO2	K2	7M
		OR			
4.	a).	Write a program whether given number is Armstrong number or not	CO2	K3	8M
	b).	Differentiate break and continue statement with an example	CO2	K2	7M
		UNIT - III			
5.	a).	How to declare, initialize and reading of one dimensional array with an example	CO3	K1	8M
	b).	Explain varis string manipulation functions	CO3	K2	7M
		OR			
6.	a).	Write a C program for multiplication of two matrices	CO3	K3	8M
	b).	Define a structure? How to declare ,initialize , accessing of structure elements with example	CO3	K1	7M
		UNIT - IV			
7.	a).	Define a pointer? explain pointer arithmetic	CO4	K2	8M
	b).	Explain Dynamic Memory Allocation	CO4	K2	7M
		OR			
8.	a).	Explain array of pointers with an example	CO4	K2	8M
	b).	tline C Pre -processor and write varis pre -processor commands	CO4	K2	7M
		UNIT - V			
9.	a).	Define a function? Explain varis categories of functions	CO5	K2	8M
	b).	Explain with an example passing array as an argument to a function	CO5	K2	7M
		OR			
10.	a).	Define a recursive function? Write a program for GCD of two numbers using recursion	CO5	K3	8M
	b).	Explain varis types of file functions?	CO5	K2	7M