

[B19 CS 1101]

**I B. Tech I Semester (R19) Regular Examinations
COMPUTER FUNDAMENTALS & PROBLEM SOLVING USING C
(Common to CSE & IT)
MODEL QUESTION PAPER**

TIME: 3 Hrs.

Max. Marks: 75 M

Answer **ONE Question** from **EACH UNIT**
All questions carry equal marks

			CO	KL	M
		UNIT - I			
1.	a).	Explain abt Flow chart Symbols.	C1	K2	8
	b).	Construct flowchart for biggest of 3 numbers.	C1	K2	7
		OR			
2.	a).	Explain abt scratch Environment.	C1	K2	8
	b).	Construct flowchart for Linear search.	C1	K2	7
		UNIT - II			
3.	a).	Explain different c operators.	C2	K2	8
	b).	Compare while loop and Do-while loop.	C2	K2	7
		OR			
4.	a).	Explain abt structure of a C program	C2	K2	8
	b).	What is type conversion? Explain type conversions in C.	C2	K2	7
		UNIT - III			
5.	a).	What is modular programming?	C3	K1	8
	b).	Write a c program for towers of Hanoi using recursive function.	C3	K3	7
		OR			
6.	a).	What is the difference between actual and formal parameters?	C3	K1	8
	b).	Write a c program for Fibonacci series using recursive function.	C3	K3	7
		UNIT - IV			
7.	a).	What is a pointer? How pointer variables are initialized.	C4	K1	8
	b).	Write a program to print command line arguments on the screen.	C4	K3	7
		OR			
8.	a).	Explain the difference between structure and union and write a program to find sum of marks in 3 subjects for a student using structures.	C4	K2	8
	b).	What is a self-referential structure?	C4	K1	7
		UNIT - V			
9.	a).	Write the syntax for opening a file with varis modes and closing a file.	C5	K2	8
	b).	Write a c program for Caps Lock on/off.	C5	K3	7
		OR			
10.	a).	Explain abt the input and tput operations of a file.	C5	K2	8
	b).	Write a c program to open a file and to print its contents on screen.	C5	K3	7