

KNT/KW/16/5063

Bachelor of Science (B.Sc.) Semester-I (C.B.S.) Examination

COMPUTER SCIENCE (Programming in "C")

Compulsory Paper-1

Tin	ne : T	hree Hours] [Maximum Marks	Maximum Marks : 50	
Not	te :-	-(1) All questions are compulsory and carry equal marks.		
		(2) Draw neat and labelled diagrams wherever necessary.		
	EIT	THER		
1.	(a)	What is an algorithm? Write an algorithm to find largest of three numbers.	5	
	(b)	Write a short note on selection and iteration logic.	5	
	OR			
	(c)	Draw a flowchart to find the roots of a quadratic equation.	5	
	(d)	Write a short note on pseudocode.	5	
	EIT	THER		
2.	(a)	Explain the various relational and logical operators in C.	5	
	(b)	Write a program in C to find the factorial of a number.	5	
	OR			
	(c)	What is looping? Explain do-while loop.	5	
	(d)	Explain switch statement. Write its syntax with an example.	5	
	EIT	THER		
3.	(a)	What is two dimensional array? Write a program to search an element in two dimensional a	array. 5	
	(b)	Write a short note on storage classes.	5	
	OR			
	(c)	Write a program in C to check whether the entered string is a palindrome or not.	5	
	(d)	Differentiate between call by value and call by reference.	5	
	EIT	THER		
4.	(a)	What is a structure? Write a program to illustrate the access of structure members.	5	
	(b)	Explain pointer arithmetic in C.	5	
	OR			
	(c)	Write a short note on Union.	5	
	(d)	What is sequential access? Differentiate between sequential access and random access.	5	
5.	Atte	Attempt all:		
	(a)	Write a short note on sequential logic.	21/2	
		Explain type def with an example.	$2\frac{1}{2}$	
	(c)	Write a short note on recursion.	21/2	
	(d)	Write statements to open and close a file in C.	$2\frac{1}{2}$	

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