C.U.SHAH UNIVERSITY Winter Examination-2018

Subject Name : Fundamental of Computer Programming

	Subject	Code:4TE01FCP1	Branch: B.Tech (All)	
	Semester	r:1 Date: 05/12/20	018 Time : 02:30 To 05:30	Marks: 70
	Instructio	ons:		
	(1) U	Use of Programmable calculate	or & any other electronic instrument is p	prohibited.
	(2) I	Instructions written on main an	nswer book are strictly to be obeyed.	
	(3) I	Draw neat diagrams and figure	es (if necessary) at right places.	
		Assume suitable data if needed		
0.1		A the fellowing area	-4 :	(14)
Q-1		Attempt the following ques Define : Token	suons:	(14)
	a) b)			
	b)	Give definition of algorithm.		
	c)	What is Trigraph sequence?		
	d)	Define: Variable		
	e)	What is string?	a() and $aallaa()$?	
	f)	What do you mean by malloo	c() and calloc()?	
	g)	What is bit field?	Dui quitze	
	h)	Which operator has highest F Define Hardware.	Phoney?	
	i)		and $colloc()$?	
	j)	What is the use of malloc() a		
	k)	Write the syntax for conditio Define compiler.	mai operator.	
	l) m)	Give the name of types of sto	orago alassas	
	m) n)	List various file modes.	orage classes.	
A tto) 8	
Alle	inpt any i	four questions from Q-2 to Q	2-0	
Q-2		Attempt all questions		(14)
	(a)	Explain block diagram of Co		(07)
	(b)	Define flowchart. Draw flow	wchart for finding area of circle.	(07)
Q-3	5	Attempt all questions		(14)
-	(a)	Write a note on basic structur	re of C program with proper diagram.	(07)
	(b)	Differentiate between entry c	control loop and exit control loop.	(04)
	(c)	List various C tokens. Explai	in any 2.	(03)
Q-4		Attempt all questions		(14)
	(a)	Explain switch case with pro	oper example.	(07)
	(b)		? List types of array. Write a C program nd sum all numbers using array.	n to get 10 (07)



Q-5	Attempt all questions		(14)
-	(a)	Explain the following string functions with example.	(07)
		1) strcat()	
		2) strcpy()	
		3) strlen()	
	(b)	Write a C Program to print the following pattern.	(07)
		*	
		* *	
		* * *	
		* * * *	
Q-6		Attempt all questions	(14)
-	(a)	Explain call by value and call by reference with example.	(07)
	(b)	What is pointer? List advantages of pointer.	(04)
	(c)	Explain I/O operations on file.	(03)
Q-7		Attempt all questions	(14)
-	(a)	Explain user defined function with return type and passing arguments.	(07)
	(b)	Write a C Program to find maximum numbers from 3 numbers using elseif ladder.	(07)
Q-8		Attempt all questions	(14)
	(a)	Give difference between structure and union.	(04)
	(b)	Write a note on recursion.	(03)
	(c)	Explain implicit and explicit type conversion with example.	(07)

