## **C.U.SHAH UNIVERSITY**

## **Summer Examination-2019**

Subject Name : Programming Basics using C Language

Subject Code : 4CS01BCP1 Date : 19/03/2019

Semester : 1

Branch: B.C.A. Time: 02:30 To 5:30

Marks: 70

14

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

## Q.-1 Attempt following MCQs.

1)	Which is looping structure in C?						
1)	a) while	b)	for				
	c) dowhile	d)	all of the above				
		u)					
2)	Which is entry controlled loop?						
	a) break	b)	while				
	c) do while	d)	None				
3)	3) Which is arithmetic operator in C?						
	a) +	b)	>=				
	c) >	d)	>>				
4)	The result of 95%5 is						
	a) 20	b)	15				
	c) 19	d)	0				
5)	printf ("%c",101); prints						
	a) e	b)	b				
	c) c	d)	d				
6)	6) if $a=15$ , $b=20$ then statement printf("%d", $a++$ + $b++$ ); prints						
0)	a) 35	b)	36				
	c) 37	d)	38				
	c) 31	u)	50				
7)	getch() function available in file.						
	a) stdio.h	b)	conio.h				
	c) screen.h	d)	string.h				
8)	strcmp("ab", "AB"); returns						
0)	a) 0	b)	1				
	c) 32	d)	-32				
		u)	52				

Page 1 || 3



	9)	Which a) c)	h is a keyword in C? while long	b) d)	if all of the above	
	10)	String a) c)	should be declared using <u>-</u> char [10] a; Both A and B	b) d)	nt. char a[10]; None	
	11)	UDF 1 a) c)	means User Define function User Design Function	b) d)	User Declared Func User Develop Funct	
	12)	printf a) c)	("%d", strlen("ABC")); pr 0 3	ints b) d)	2 1	
	13)	a=15, a) c)	b=20, c=25 integer value t true error	hen the statement, b) d)	if ( a>b    b>c ) return false None	IS
	14)	pow(3 a) c)	3,4) returns 27 81	b) d)	12 64	
<u>Atten</u>	<u>ipt any</u>	FOUR	questions from following	<u>t.</u>		
Q2	Atten	npt follo	owing.			14
	b) Ex	kplain b	ote on: primary data type o asic structure of C program pop? Describe while loop w	1.		5 5 4
Q3	Atten	npt follo	owing.			14
	b) W	hy we u	or loop with suitable examp use break? Explain with exa ow chart to find simple into	ample.		5 5 4
Q4	a) De b) He	ow to de	owing. ray. Explain 2D array. eclare string? Explain initia witch-case with example.	lization of string i	n C	<b>14</b> 5 5 4
Q5	Atten	npt follo	owing.			14
		-	ested if else with suitable e relational and arithmetic op	-	le example.	5 5

Page 2 || 3



	c) Write a note on: C tokens.	4			
Q6	Attempt following.	14			
	<ul><li>a) Write a note on : machine, assembly and higher level languages.</li><li>b) Explain different types of UDF.</li><li>c) What is recursion? Explain with example.</li></ul>				
Q7	Attempt following.	14			
	a) Write a program to print following series using for loop.				
	1 2 4 8 16 32 64 128 256 512				
	b) Write a program to find entered no. is even or odd.	7			
Q8	Attempt following.	14			
	a) Write a C program to print following.	7			
	5 54 543 5432 54321				
	b) Enter five nos. in array and find sum of entered nos.	7			

