

C.U.SHAH UNIVERSITY**Winter Examination-2018****Subject Name : Programming basics using C Language****Subject Code : 4CS01BCP1****Branch: B.C.A.****Semester : 1****Date Time : 03/12/2018****Time: 02:30 To 5:30****Marks : 70****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.**14**

- 1) Which is NOT a keyword in C?

a) float	b) while
c) int	d) character
- 2) Which is exit controlled loop?

a) break	b) while
c) do... while	d) None
- 3) Which is logical operator in C?

a) &&	b) >=
c) >	d) >>
- 4) The result of 120%5 is _____

a) 20	b) 12
c) 24	d) 0
- 5) printf ("%c",100); prints _____

a) a	b) b
c) c	d) d
- 6) if a=5 , b=10 then statement a++ + b++ returns _____

a) 15	b) 16
c) 17	d) 18
- 7) clrscr() function available in _____ file.

a) stdio.h	b) conio.h
c) screen.h	d) string.h
- 8) strlen("my college"); returns _____

a) 8	b) MY COLLEGE
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- c) 9 d) 10
- 9) Which are looping statement in C?
a) while b) for
c) do while d) all of the above
- 10) Which is correct statement in C?
a) int [10] a; b) int a[10];
c) Both A and B d) None
- 11) UDF means _____
a) User Define function b) User Declared Function
c) User Design Function d) User Develop Function
- 12) printf (“%d”, abs(-25)); prints _____
a) 0 b) 25
c) -25 d) 1
- 13) If int a=36, b = 30, c=30; then programming statement, if (a>b || b>c) returns_____
a) true b) false
c) error d) None
- 14) sqrt(100); and pow(2,5); returns _____
a) 100 32 b) 10000 32
c) 10 32 d) 10 25

Attempt any FOUR questions from following.

Q.-2 Attempt following. 14

- a) Define data type. Write a note on: Data types in C. 5
b) Explain nested for loop with example. 5
c) Explain relational and logical operators. 4

Q.-3 Attempt following. 14

- a) Draw a flow chart to find maximum from 3 Nos. 5
b) Why we use break? Explain with example. 5
c) Write a note on : Basic structure of C. 4

Q.-4 Attempt following. 14

- a) Explain C Tokens. 5
b) Define array. Explain 1D and 2D array initialization. 5
c) Explain switch-case with example. 4

Q.-5 Attempt following. 14



- a) Why we use if? Explain nested if-else with example. 5
- b) Define loop? Explain while loop. 5
- c) Explain strlen() and islower() function with example. 4
- Q.-6 Attempt following. 14**
- a) Write a note on : machine, assembly and higher level languages. 5
- b) Define UDF? Write a program to print “hello” message using UDF. 5
- c) What is recursion? Explain with example. 4
- Q.-7 Attempt following. 14**
- a) Write a program to print following series using for loop. 7
- 1 2 4 8 16 32 64 128 256 512
- b) Write a program to print factorial of entered no. 7
- Q.-8 Attempt following. 14**
- a) Write a C program to print following. 7
- 1
21
321
4321
54321
- b) Enter five nos. in array. Print sum of only odd nos. entered in array. 7

