

Enrollment No: _____

Exam Seat No.: _____

C. U. SHAH UNIVERSITY

Winter Examination-2020

Subject Name: Programming Basics using C Language

Subject Code: 4CS01BCP1

Branch: BCA

Semester: 1

Date: 12/03/2021

Time: 03:00 To 06:00

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.
-

Que-1 Attempt all the following MCQs.

[14]

- (1) Who is the father of C language?
(a) James gosling (b) Dennis Ritchie (c) Dr. E. F. Codd (d) Andy Rubin
- (2) C program is converted into machine language with the help of
(a) Compiler (b) Operating system (c) Interpreter (d) None of above
- (3) Which of the following is not a keyword?
(a) auto (b) case (c) return (d) integer
- (4) Which of the following is not a valid identifier?
(a) _bca (b) 1Bca (c) bca1 (d) BCA_1
- (5) The size of double data types in bytes is
(a) 1 (b) 2 (c) 4 (d) 8
- (6) printf() is defined in _____ header file.
(a) <stdio.h> (b) <conio.h> (c) <ctype.h> (d) <string.h>
- (7) ?: is _____ operator.
(a) arithmetic (b) conditional (c) logical (d) relational
- (8) Which of the following is an exit-controlled loop?
(a) while (b) for (c) do while (d) None of above



(9) Which function returns absolute value of an integer?

- (a) round() (b) absolute() (c) abs() (d) absol()

(10) Which function is used to compare two strings?

- (a) strcmp() (b) strcasecmp() (c) compare() (d) stringcmp()

(11) In UDF, “D” stands for

- (a) Defined (b) Derived (c) Datatype (d) Double

(12) To execute certain block repeatedly, which statements are used?

- (a) break (b) continue (c) conditional (d) looping

(13) To store whole numbers, which data type is used?

- (a) int (b) float (c) double (d) char

(14) Which of the following symbol is used in variable name?

- (a) @ (b) # (c) & (d) _

Attempt any four questions from Que-2 to Que-8

Que-2 Attempt all questions.

[14]

1. Discuss different data types available in C language. [7]
2. Write a note on basic structure of C program. [7]

Que-3 Attempt all questions.

[14]

1. Define language. Explain machine and assembly languages in detail. [7]
2. Discuss different operators available in C language. [7]

Que-4 Attempt all questions.

[14]

1. Explain if...else and switch statements with syntax and example. [7]
2. Explain for and do...while looping statements with syntax and example. [7]

Que-5 Attempt all questions.

[14]

1. What is array? Explain one-dimensional array with example. [5]
2. What is variable? Enlist rules for declaring variable and also give example of it. [5]
3. Explain gets(), getch(), strlen(), isalnum() with example. [4]

Que-6 Attempt all questions.

[14]

1. Discuss break and continue statements with example. [5]
2. What is comment? Explain different types of comments in C language. [5]
3. What is flowchart? Explain various symbols used in flowchart. [4]

Que-7 Attempt all questions.

[14]



1. Write a C program to check whether entered no. is palindrome or not. [7]
2. Write a C program to print sum of digit using UDF. [7]

Que-8 Attempt all questions.

[14]

1. Write a C program to check whether entered number is even or odd. [7]
2. Write a C program to find maximum no. from an array of five numbers. [7]

