

Enrollment No: _____ Exam Seat No.: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Programming Basics Using C Language

Subject Code: 4CS01IPC2

Branch: B.Sc.IT

Semester: 1

Date: 31/03/2018

Time: 2:30 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.
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Que-1 Attempt all the following short questions. [14]

1. Define algorithm.
2. What is the use of strlen()?
3. Who invented 'C' language?
4. Write syntax of if statement.
5. What is variable?
6. What do you mean by entry controlled loop?
7. Which header file includes printf()?
8. List of the types of arrays in 'C' language?
9. Give the full form of: UDF.
10. Define recursion.
11. What is the use of goto statement?
12. Enlist out names of any five keywords in 'C' language.
13. Explain the function: isdigit().
14. Define operator.

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

Que-2 Attempt all questions. [14]

1. Explain machine and assembly languages in details. [7]
2. Write a detailed note on flowchart with any example. [7]

Que-3 Attempt all questions. [14]

1. Explain various data types available in C language. [7]
2. Explain basic structure of C program in detail. [7]

Que-4 Attempt all questions. [14]



1. Explain switch statement with syntax. [5]
2. Explain for statement with syntax. [5]
3. Explain break and continue in short. [4]

Que-5 Attempt all questions. [14]

1. What is array? Explain one dimensional array in detail. [5]
2. What is UDF? Explain categories of UDF. [5]
3. Explain declaration and initialization of string variable. [4]

Que-6 Attempt all questions. [14]

1. Explain any five functions of <math.h> library. [5]
2. Explain while loop with syntax. [5]
3. Explain auto and register storage classes in short. [4]

Que-7 Attempt the following questions. [14]

1. Write a C program to check whether entered number is prime or not. [7]
2. Write a C program to print following pyramid. [7]

```
1
2 3
4 5 6
7 8 9 10
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Que-8 Attempt all questions. [14]

1. Write a C program to find out the minimum number from array having 10 elements. [7]
2. Write a C program to find out sum of two 3X3 matrix entered by user. [7]

