

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Programming Basics using C Language

Subject Code: 4CS01IPC2

Branch: B.Sc.I.T.

Semester: 1

Date: 30/03/2017

Time: 10:30 To 01:30

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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- Q-1** **Attempt the following questions:** **(14)**
- a) What is full form of UDF?
 - b) What is an array?
 - c) Which loop is called as 'entry controlled loop'?
 - d) Which loop is called as 'exit controlled loop'?
 - e) What is bitwise operator?
 - f) Who developed the C language?
 - g) What is character set?
 - h) What is delimiter?
 - i) What is the keyword?
 - j) What is a variable?
 - k) Define the term: constant
 - l) What is token?
 - m) What is the use of comment line?
 - n) What is the use of sizeof operator?

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

- Q-2** **Attempt all questions**
- (a) Explain data types of C Language. **(5)**
 - (b) Write a note on algorithm. **(5)**
 - (c) Describe relational operator. **(4)**
- Q-3** **Attempt all questions**
- (a) Describe for loop with example. **(5)**
 - (b) Explain if statement with example. **(5)**
 - (c) Explain ternary operator with example **(4)**
- Q-4** **Attempt all questions**
- (a) Explain switch case with example. **(7)**
 - (b) Explain else if ladder with example. **(7)**



- Q-5** **Attempt all questions**
- (a) Explain any five function of <stdio.h> header file. (5)
 - (b) Explain any five function of <math.h> header file. (5)
 - (c) Write a note on: Storage Class (4)
- Q-6** **Attempt all questions**
- (a) Explain One Dimensional Array with example. (7)
 - (b) Write a note on: Recursion with example (7)
- Q-7** **Attempt all questions**
- (a) Write a note on : Structure of C Language (5)
 - (b) Describe goto statement with example. (5)
 - (c) Explain identifiers and keywords (4)
- Q-8** **Attempt all questions**
- (a) Write a C program to check whether number is palindrome or not. (7)
 - (b) Write a C program to input five elements in an array and find out minimum and maximum element from them. (7)

