C. U. SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Programming Basics using C Language

Subject Code: 4CS01IPC2 Branch: B.Sc.I.T.

Semester: 1 Date: 22/03/2019 Time: 02:30 To 05:30 Marks: 70

Instructions:

(1) Use of Programmable calculator & any other electronic instrument is prohibited.

(14)

(7)

- (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 the following questions:

- a) Define the term: Algorithm
- **b)** What do you meant by machine language?
- c) Define the term: variable
- **d)** What is the use of flowchart?
- e) Define the term: Operator
- **f)** What is the full form of UDF?
- **g**) What is token in C programming?
- **h)** Define the term: keyword
- i) Write a difference between array and structure in short.
- j) What is the use of clrscr() in C program?
- **k**) To compare two strings, which string function is used?
- 1) Which operator is used for modulo division?
- **m)** What is array?
- n) List out various loops structure of C Language

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

Q-2 Attempt all questions

- 1 Write C program that contain all sections of C program structure and describe all sections (7)
- 2 Discuss Flowchart with symbols and with suitable example

Q-3 Attempt all questions

- 1 Explain mathematical operators. (5)
- 2 Discuss for loop with logic understandable example (5)
- 3 Discuss break statement (4)



| Q-4 | | Attempt all questions | |
|-----|---|--|--------------|
| | 1 | Discuss while loop with syntax and example | (5) |
| | 2 | Explain two dimensional array in C | (5) |
| | 3 | Differentiate while and do while loop | (4) |
| Q-5 | | Attempt all questions | |
| | 1 | Describe if statement | (5) |
| | 2 | Discuss string handling functions | (5) |
| | 3 | Discuss any one category of UDF with suitable example | (4) |
| Q-6 | | Attempt all questions | |
| | 1 | Describe various elements of UDF | (5) |
| | 2 | Discuss relational operators with suitable example | (5) |
| | 3 | Explain various function of <math.h> header file</math.h> | (4) |
| Q-7 | | Attempt all questions | |
| | 1 | Discuss various storage classes | (5) |
| | 2 | Describe recursion with suitable example | (5) |
| | 3 | Discuss goto statement | (4) |
| Q-8 | | Attempt all questions | |
| | 1 | Write a C program to swap the values of two numbers | (5) |
| | 2 | Write a C program to check whether entered number of odd or even | (5) |
| | 3 | Write a C Program to sum of array elements | (4) |
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