

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Programming in C

Subject Code : 4CS02PRC1

Branch: M.Sc. CA & IT (Integrated)

Semester : 2

Date : 20/10/2018

Time : 02:30 To 05:30

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) C is _____ language. | 1 |
| (a) Logic (b) Procedural Language (c) Object Oriented (d) None of these | |
| b) What is Pointer? | 1 |
| c) What is Conditional Statement? | 1 |
| d) Do while loop is entry control loop. State true or false. | 1 |
| e) What is Preprocessor? | 1 |
| f) What is the alias of “ Conditional Operator”? | 1 |
| g) Draw the flow chart of simple if statement. | 1 |
| h) Enlist the User Defined Data types in C. | 1 |
| i) Enlist the logical Operator in C. | 1 |
| j) Enlist the looping Structure in C. | 1 |
| k) Define term : Call by Value | 1 |
| l) Define term : Call by reference | 1 |
| m) C language was invented by _____ | 1 |
| (a) Charles Babaz (b) Thomson (c) Rony (D) None of these | |
| n) “++” is _____ Operator. | 1 |

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

Q-2 Attempt all questions (14)

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|--|-----------|
| (a) Enlist the types of Operators. Explain any two types in brief. | 10 |
| (b) What is Loop? Differentiate While Versus Do While loop with example. | 04 |

Q-3 Attempt all questions (14)

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|--|-------------|
| (a) What is Data Types? Enlist Data Types in “C” language. Explain Primary Data types with suitable example. | (10) |
| (b) Write a “C” Program which find out the Maximum Number from given two values.(Input: No1 & No2) | (04) |



- Q-4 Attempt all questions (14)**
(a) Explain Nested For loop with Syntax and Example. (7)
(b) Write a “C Program” Which Find out the area of Circle. (7)
- Q-5 Attempt all questions (14)**
(a) Write a “C Program” Which print the fibonnaci series. (7)
(b) What is Matrix? Write a “C Program” which find out the sum of $A[2][2],B[2][2]$ matrix. (7)
- Q-6 Attempt all questions (14)**
(a) Write a “C Program” which find out the Multiplication of $A[M][N],B[M][N]$ matrix. Check All the conditions of Matrix Multiplication (8)
(b) Write a “C Program” which find out the transpose of Matrix (6)
- Q-7 Attempt all questions (14)**
(a) What is Switch? Explain Switch Statement with Syntax and Example. (8)
(b) Differentiate break versus continue with Syntax and Example. (6)
- Q-8 Attempt all questions (14)**
(a) Explain the Structure of Simple C Program with all sections in brief. (8)
(b) Explain the Execution of Simple C Program with Diagram (6)

