Enrollment No: _____   Exam Seat No:_____

C.U.SHAH UNIVERSITY
Winter Examination-2019

Subject Name : Programming in C

Subject Code : 4CS02PRC1   **Branch: M.Sc. C.A. & I.T. (Integrated)**

Semester: 2   Date: 09/09/2019   Time: 02:30 To 05:30   Marks: 70

Instructions:
    (1) Use of Programmable calculator and 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.

Q-1   Attempt the following questions: (14)

    a) Define Term :- Data Type   1
    b) Define Term :- Conditional Operator   1
    c) Define Term :- Operator   1
    d) Define Term :- Preprocessor   1
    e) Enlist the types of Operator.   1
    f) Define Term :- loop   1
    g) While loop is known as Exit Control loop.. State True or false   1
    h) Do While loop is known as Entry Control loop.. State True or false   1
    i) What is the syntax of for loop?   1
    j) What do you mean by conditional statement?   1
    k) "#" is pre-processor , State True or false   1
    l) Define Term :- Pointer   1
    m) Define Term :- Structure   1
    n) Define Term :- Identifier   1

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

Q-2
    Write a brief notes on :   (14)
      (1) logical Operator, Comma Operator
      (2) Primary Data type

Q-3   Attempt all questions   (14)
    (A) *Differentiate* While loop *Versus* Do While loop   (7)
    (B) What is switch statement? Explain with syntax and Example.   (7)

Q-4		Attempt all questions	(14)
	(A)	Write a C Program which prints 2+4+6+8…..+ N series using looping structure.	(7)
	(B)	Explain break and continue with example.	(7)

Q-5		Attempt all questions	(14)
	(A)	Write a "C Program "which finds the Number is Prime or Not.. Input is N number.	(7)
	(B)	Write a "C Program "which finds the sum of digit (123=1+2+3=6)	(7)

Q-6		Attempt all questions	(14)
	(A)	Explain Nested for loop with syntax and example.	(7)
	(B)	Discuss else if ladder with syntax and example.	(7)
Q-7		Attempt all questions	(14)
	(A)	Explain Conditional Operator with example.	(7)
	(B)	Discuss Operator Precedence and Associativity in C language	(7)
Q-8		Attempt all questions	(14)
	(A)	Explain the "History of C language" with diagram.	(7)
	(B)	Write a "C Program " Find the Subtraction of 2*2 Matrix.	(7)