

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Summer Examination-2020

Subject Name : Programming Basics using C Language

Subject Code : 4CS01IPC2

Branch: B.Sc.I.T.

Semester : 1

Date : 04/03/2020

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.

Q-1	Attempt the following questions:	(14)
	a) What is algorithm?	1
	b) Define ceil().	1
	c) Define variable.	1
	d) Define character set.	1
	e) Define scanf() .	1
	f) What is symbolic constant?	1
	g) Define isspace()	1
	h) How to write comment in C language?	1
	i) What is cprintf() ?	1
	j) Write a syntax of FOR loop.	1
	k) Define ternary operator.	1
	l) What is nesting of function?	1
	m) Define getche()	1
	n) What is isupper() and toupper() ?.	1

Attempt any four questions from Q-2 to Q-87

Q-2	Attempt all questions	(14)
	(a) Explain basic structure of C language.	7
	(b) Explain C Token with their types.	7
Q-3	Attempt all questions	(14)
	(a) Write a short note on Machine level and Assembly level language.	7
	(b) Draw flowchart to find enter value is even or odd.	7
Q-4	Attempt all questions	(14)
	(a) Explain different data types used in C Language.	7
	(b) Explain nested if structure with proper example.	7
Q-5	Attempt all questions	(14)
	(a) Explain type conversion with suitable example.	7



- (b) Write a c program to check enter string is palindrome or not. 7
- Q-6 Attempt all questions (14)**
- (a) What is jumping statement? Explain break and continue statement. 7
- (b) What is recursion? Write a code to find factorial using recursion. 7
- Q-7 Attempt all questions (14)**
- (a) What is an array? Write a code to perform addition of given value using array. 7
- (b) Write a short note on storage class. 7
- Q-8 Attempt all questions (14)**
- (a) Explain function with argument and with return value with suitable example 7
- (b) Write a c program to perform matrix addition. 7

