Enrollment No:	Exam Seat No:
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C. U. SHAH UNIVERSITY

Summer Examination-2020

Subject Name: Fundamentals of Computer Programming

Subject Code: 4TE01FCP1 Branch: B.Tech (All)

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)	Who invented C language?	(01)
	b)	Which symbol is used for conditional operator?	(01)
	c)	Which keys are used to compile and run C program?	(01)
	d)	Write down the examples of Entry Controlled Loop.	(01)
	e)	How many keywords are supported in C language?	(01)
	f)	Which data type is used to store character value?	(01)
	g)	Define: Array	(01)
	h)	Define: Algorithm	(01)
	i)	Define: Variable	(01)
	j)	Write down any two rules for naming an identifier.	(01)
	k)	What do you mean by malloc() and calloc()?	(01)
	1)	What is the main difference between structure and union?	(01)
	m)	Write down the examples of fundamental data type.	(01)
	n)	What is the difference between $a + + and + + a$?	(01)
Attemp	pt any	four questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)



	(a)	What is token? Explain various types of C tokens in detail.	(07)
	(b)	Explain basic structure of C program with example.	(07)
Q-3		Attempt all questions	(14)
	(a)	Define flowchart? Which symbols are used for designing of flowchart? Draw the flowchart to find maximum of two numbers.	(07)
	(b)	Explain while loop with suitable example.	(07)
Q-4		Attempt all questions	(14)
	(a)	Explain ifelse statement with example.	(07)
	(b)	Explain switch statement with example.	(07)
Q-5		Attempt all questions	(14)
	(a)	Explain one dimensional array with example.	(07)
	(b)	Define function? Explain structure of function. Mention various categories of function. Explain any one category with example.	(07)
Q-6		Attempt all questions	(14)
	(a)	Draw the block diagram of computer system. Explain each part in detail.	(07)
	(b)	Explain various I/O operations on files.	(07)
Q-7		Attempt all questions	(14)
	(a)	What is pointer? Explain declaration of pointer with example.	(07)
	(b)	What is structure? How can we declare and access structure variable?	(07)
Q-8		Attempt all questions	(14)
	(a)	Write a C program to find factorial of an entered number.	(07)
	(b)	Write a C program to demonstrate the use of strlen(), strcpy(), strcmp(), strcat() functions.	(07)

