

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2019

Subject Name: Fundamental of Computer Programming

Subject Code: 4TE01FCP1

Branch: B.Tech (All)

Semester : 1

Date : 25/11/2019

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) What is token in C? (1)
- b) Define keyword. (1)
- c) What is the use of header files in C? (1)
- d) What are the basic data types in C ? (1)
- e) What is dynamic memory allocation? (1)
- f) What is nested loop? (1)
- g) What is null pointer? (1)
- h) What is full form ANSI? (1)
- i) What is recursion? (1)
- j) Differentiate between calloc() and malloc() (1)
- k) Define Variable. (1)
- l) What is string ? (1)
- m) Define identifier. (1)
- n) What is string length? (1)

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

Q-2 Attempt all questions (14)

- (a) Explain general structure of c program in detail. (7)
- (b) Define Algorithm and flowchart and give example of each. (7)

Q-3 Attempt all questions (14)

- (a) What is structure? Write down the its general format .Explain declaration and initialization of structure . (7)
- (b) Explain command line argument with example (7)

Q-4 Attempt all questions (14)

- (a) What is type conversion? Explain implicit type conversion and explicit (7)



	type conversion.	
(b)	Write a C program to print the following pattern	(7)
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Q-5	Attempt all questions	(14)
(a)	Explain switch case statement with example.	(7)
(b)	Explain various operators available in C.	(7)
Q-6	Attempt all questions	(14)
(a)	Explain the difference between call by value and call by reference with example.	(7)
(b)	Give the difference between Structure and union.	(4)
(c)	Give the difference between compiler and interpreter.	(3)
Q-7	Attempt all questions	(14)
(a)	Write a c program for a simple calculator.	(7)
(b)	What is function? Explain different types of function in detail	(7)
Q-8	Attempt all questions	(14)
(a)	What is array? Explain one dimensional array with syntax and example.	(7)
(b)	Explain break statement with example	(7)

