

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Fundamental of Computer Programming

Subject Code : 4TE01FCP1

Branch: B.Tech (All)

Semester : 1

Date : 05/12/2018

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) Define : Token
- b) Give definition of algorithm.
- c) What is Trigraph sequence?
- d) Define: Variable
- e) What is string?
- f) What do you mean by malloc() and calloc()?
- g) What is bit field?
- h) Which operator has highest Priority?
- i) Define Hardware.
- j) What is the use of malloc () and calloc ()?
- k) Write the syntax for conditional operator.
- l) Define compiler.
- m) Give the name of types of storage classes.
- n) List various file modes.

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

Q-2 **Attempt all questions** **(14)**

- (a) Explain block diagram of Computer system. **(07)**
- (b) Define flowchart. Draw flowchart for finding area of circle. **(07)**

Q-3 **Attempt all questions** **(14)**

- (a) Write a note on basic structure of C program with proper diagram. **(07)**
- (b) Differentiate between entry control loop and exit control loop. **(04)**
- (c) List various C tokens. Explain any 2. **(03)**

Q-4 **Attempt all questions** **(14)**

- (a) Explain switch case with proper example. **(07)**
- (b) What do you mean by Array? List types of array. Write a C program to get 10 integer numbers from user and sum all numbers using array. **(07)**



