Seat No.: Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

Subject Code: 4410603

MCA Integrated - SEMESTER- I EXAMINATION - SUMMER - 2017

Date:03/06/2017

Subject Name: Fundamentals of Programming – I Time: 10:30 AM to 1:00 PM Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.			70
Q.1	(a)	Fill in the blanks. (1) The execution of every C program starts from	0
	(b)	 (7) Every string ends with	0
Q.2	(a) (b)	What is Flowchart? Explain different standard symbols of it with examples. What is Data Type? Explain different data types of C language. OR	0' 0'
	(b)	Differentiate Algorithm & Flowchart in details.	0'
Q.3	(a) (b)	Explain decision control statements with all its types. What do you mean by User defined Function? Explain function prototype, declaration and function body with proper example. OR	0' 0'
Q.3	(a) (b)	Write detail short note on Recursion function with proper example. What is an Array? Explain it with declaration, initialization of 1D array. Explain example which takes input of 10 numbers and display only even number.	0' 0'
Q.4	(a)	What is String? How to store string in C language? Explain a built in string	0'
	(b)	function which combines two strings. Write detail short note on "break", "continue" and "goto" statement with proper example.	0′
		OR	
Q.4	(a) (b)	Explain four storage classes of C language. Explain two dimensional numerical arrays with 3 x 3 matrix multiplication example.	0'.
Q.5	(a)	Explain any three string built in function with syntax , use and proper example.	0'

(b) Write a C program & draw flowcharts which interchange two numbers without using third variable.

OR

- Q.5 (a) What do you mean by nested loop? Explain this concept using for loop with proper example.
 - (b) Write a C program & draw flowchart which take input of three different numbers and displays maximum number.
