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GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-1 & H (OLD) EXAMINATION - SUMMER-2019

DL 5	Living I Litt I tell	(OLD) LILLING WITTON	DOMESTIC POLY
Subject Code:	110003		Date: 10/06/2019

Subject	Name:	Computer	Programming	And I	Itilization
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Time: 10:30 AM TO 01:00 PM	Total Marks: 7

Instructions:

1. Attempt any five questions.

Q.6 (a) Explain recursive function with example.

(b) Explain scope and lifetime of a variable in detail.

Q.7 (a) Giving example explain Structure and Unions in C.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a)	Define (i) Compiler (ii) Interpreter (iii) Assembler. Explain the types of programming languages.	07			
	(b)	Explain the structure a C program giving example.	07			
Q.2	(a) (b)	Explain increment, decrement and sizeof operators in C with examples of each. What is nested if-else statement? Draw flowchart for a program to print maximum out of three numbers.				
Q.3	(a)	Write a program and draw the flowchart for a program to print the following 4 3 2 1 3 2 1 2 1	07			
	(b)	Explain switch-case statement giving example.	07			
Q.4	(a) (b)	Write a program to reverse a number. Draw flowchart and write a program to find factorial of a given number.	07 07			
Q.5	(a)	Define an array. Explain declaration and initialization of two dimensional array with example.	07			
	(b)	Explain the following string handling functions: (i) strlen() (ii) strcpy() (iii) strcat() (iv) strcmp() (v) puts() (vi) gets() (vii)putchar()	07			

(b) What is a File? Explain the entire file handling functions and mode of a File.



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