Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER-I • EXAMINATION - WINTER • 2014

Sul	oject	Code: X10002 Date: 26-12-2014	
Tir	ne: 10	Name: Computer Programming and Utilization 0:30 am - 01:00 pm Total Marks: 70	
Inst		Attempt any five questions. Make suitable assumptions wherever necessary.	
Q.1	(a)	What are the Relational operators? List them and explain their purpose.	07
	(b)	Distinguish between programming languages "C" and "C++"	07
Q.2	(a)	Write a program to print following output using for loop.	07
		1	
		1 2	
		123	
		1 2 3 4	
	(b)	Explain algorithm and flowchart with simple C program.	07
Q.3	(a)	Write a note on function of type void.	07
	(b)	Write a program that reads number from 1 to 7 and accordingly it Should print	07
		MONDAY to SUNDAY.	
Q.4	(a)	What is recursive function? Explain with example.	07
	(b)	Write a program to read in five numbers and compute the average, maximum and minimum values.	07
Q.5	(a)	What is pointer? How is a pointer initialized? Explain with small example.	07
	(b)	Write a note on: Generations of programming languages.	07
Q.6	(a)	In what way main () is different from the rest of the functions?	07
	(b)	Compare the switch statement with the nested-if statements.	07
Q.7	(a)	Draw and explain the detail block diagram of a Digital computer.	07
€	(b)	Explain 'break' and 'continue' using example.	07
