Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-1 / 2	• EXAMINATION – SUMIMER • 2014	

Subject Code: 110003		Code: 110003 Date: 23-06-2	Date: 23-06-2014	
Sul	bject	Name: Computer Programming and Utilization		
Tir	ne: 02	2:30 pm - 05:00 pm Total Marks	s: 70	
Inst	ructio	ns:		
	1.	Attempt any five questions.		
	2.	Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	What is Flowchart and Algorithm? Draw flowchart to print sum of numbers between 1 to 100 which are divisible by 3 and 5.	07	
	(b)	State and explain features of C language.	04	
	(c)	Explain types of languages used.	03	
Q.2	(a)	Explain different types of operators with examples.	07	
	(b)	Explain C Tokens.	04	
	(c)	Explain break statement with examples.	03	
Q.3	(a)	Write a "C" Program that reads number from 1 to 7 and accordingly it Should print MONDAY to SUNDAY.	07	
	(b)	Explain Switch case with examples.	04	
	(c)	What is local and Global variable? Explain with examples.	03	
Q.4	(a)	Write a C program check given string is pelindrom or not.	07	
	(b)	Explain while, do while and for loops with examples.	04	
	(c)	Explain scope and life time of variable.	03	
Q.5	(a)	What is recursive function? Explain with example.	07	
	(b)	Write a function which accepts a string and returns the length of the string.	04	
	(c)	Show the use of the malloc() function.	03	
Q. 6	(a)	Explain the difference between "call by reference" and "call by value" with suitable example	07	
	(b)	What is pointer? Clear it with examples and give its use.	04	
	(c)	Explain difference between Structure and Union.	03	
Q.7	(a)	Explain the difference String functions used in C with suitable example	07	
	(b)	Explain showing proper syntax, following file operations: (i) fprintf() (ii) fscanf() (iii) putc() (iv) getc()	04	
	(c)	List the different file management functions and explain various file modes.	03	
