Seat 1	No.:		Enrollment No	
BE -		GUJARAT TECHNOLOGICAL UNIVERSITY SEMESTER- 1 st / 2 nd EXAMINATION (NEW SYLLABUS) – SUMMER		
Subj	ubject Code: 2110003 ubject Name: Computer Programming & Utilization			Date:04/06/2016
Time: 02:30 PM to 5:00 PM Instructions:			Total Marks: 70	
	1. 2.			ing Six questions.
Q.1		Objective Question (MCQ)		MARKS
	(a)			07
	1.	Which of the following is (a) ??	s ternary operator? (c):?	
		(b) ?:	(d) ::	
	2.	(a) ctype.h	ntial for using scanf() function? (c) string.h	
	•	(b) conio.h	(d) stdio.h	0
	3.		value; occupies of memory	?
		(a) 2 byte	(c) 4 byte	
		(b) 6 byte	(d) 8 byte	
	4.	Array index start at	(a) Hear Defined	
		(a) 1	(c) User Defined	
	_	(b) 0	(d) None of above	
	5.	When function calls itself		
		* /	(c) exit control loop	
		• , ,	(d) user defined function	
	6.	Default value of global va		
		(a) 0	` '	
	_		(d) Depend on data type	
	7.	When fopen() fails to ope		
		(a) NULL	(c) 1	
		(b) -1	(d) None of above	
	(b)			07
	1.	Default value of local var	riable is	0,
		(b) 0	(c) 1	
		(a) Garbage value	(d) Depend on data type	
	2.	ASCII value of 'A' is		
		(a) 55	(c) 65	
		(b) 75	(d) 85	
	3.	MACRO is used to	.	
		(a) Save memory	(c) fast execution	
		(b) Both a & c	(d) none of above	
	4.	represented?	nated by NULL character. H	ow it is
		(a) '\0'	(c) both a and b	
	_	(b) NULL	(d) None of above	
	5.	Which are not looping str		
		(a) For loop	(c) While loop	
		(b) Dowhile loop	(d) ifelse	1 //

http://www.gujaratstudy.comptr is a pointer to int, having value ptr=100. After ptr++, what is the value of ptr? (a) 100 (c) 101 (b) 102 (d) 103 7. How many times the following code prints the string "hello" for(i=1;i<=50;i++);printf("Hello"); (a) 1 (c) 50(b) Zero (d) None of them 0.2 03 (a) List out types of software with Examples. **(b)** Explain flow chart with suitable example. 04 (c) Write a C program to convert Celsius to Fahrenheit and vice versa. **07** Q.3 (a) Discuss the important of stdio.h header file. 03 **(b)** Explain entry control loop and exit control loop with example. 04 (c) Write a menu driven C program for simple calculator. Also draw **07** flowchart. Explain basic data types of C. 03 **Q.4** (a) Explain break and continue statement with example. 04 **(b)** (c) Write a C program to display prime number between 1 to 100. **07 Q.5** (a) Explain Derive data types. 03 **(b)** Explain getch(), getchar(), gets(), puts() 04 (c) Write a C program to multiply two N X N Matrix. **07 Q.6** (a) Briefly discuss about scope of variable. 03 **(b)** Explain Call by value and Call by reference. 04 (c) Which type of problem can be solved by structure? Explain it with 07 C program. (a) Explain dynamic memory allocation. $\mathbf{Q.7}$ 03 (b) Write syntax of fseek() function and explain fseek(fp,-10,1) and 04 fseek(fp,10,0). Write a program to read n different integer numbers from keyboard **07** and calculate the sum using pointer.
