Seat No.:	Enrolment No
GUJARAT TECHNOI	LOGICAL UNIVERSITY
MCA – SEMESTER - I • EX	XAMINATION – WINTER 2012
Subject code: 2610001	Date: 03/01/2013
	· (EOD)

Subject Name: Fundamental of Programming (FOP)

Time: 02:30 pm – 05:00 pm Total Marks: 70

Instructions:

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

1 is not a correct variable type (float, real, int, char) 2 is the correct operator to compare two variables(=, ==,:=, equal) 3 is a correct comment (*/ Comments */, ** Comment ***, /* Comment */, { Comment }) 4. Every function in C are followed by (Parameters, Parenthesis, Curly braces, None of these) 5 is not a valid escape code? (\t, \v, \f, \w) 6. To increase the value of c by one, which of the following statement is incorrect? (c++; , c=c+1; c+1=>c; c+1=>c; c+=1;) 7. The result of a Relational operation is always (either True or False, is less than or is more than, is equal or less or more, All of these) (B) Answer in shorts	Q-1 (B)	Fill the blank from given option	[07]
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	Q-3 (A)	Explain Basic structure of C programs and explain Desirable Program Characteristics	[07]
OR	(B)	What does storage class tell us? What are the types of storage class?	[07]
Q-3 (A) What is an array? How the array declares in c? What are the rules for naming arrays? [07]	Q-3(A)		[07]
How Array initialize in c? (B) Write a program to input n elements of one dimension array and sort array in [07]	(P)	· · · · · · · · · · · · · · · · · · ·	[07]
(B) Write a program to input n elements of one dimension array and sort array in ascending order and output array on screen and find minimum and maximum element and print.	(D)	ascending order and output array on screen and find minimum and maximum	[Մ/]
Q-4 (A) What is structure? How structures define in c? What is purpose of structure? Explain [07]	Q-4 (A)	•	[07]

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	difference between array and structure? What is structure tag and what its purpose?	
(B)	What is pointer variable? How pointer variable declares? What are the various types	[07]
	of pointers? What are the advantages offered by the use of pointers? What are the	
	operations which are permissible and which are not permissible on pointers?	
	OR	
Q-4 (A)	What is bit field? How declare in c? What are the rules to declare bit field? Explain	[07]
	with example.	
(B)	What is Enumerated Data type in c? How declare in c? Explain with example.	[07]
Q-5 (A)	What is recursion? What advantage is there in its use? Explain with example?	[07]
(B)	Write a short notes on string handling function in c (at least seven explain with	[07]
	example)	
	OR	
Q-5 (A)	Explain various file handling mode in c?	[07]
(B)	What is preprocessor in c? Explain different types of preprocessor in c?	[07]
