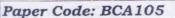
## **END TERM EXAMINATION**

FIRST SEMESTER [BCA] DECEMBER-2012



Subject: Introduction to Programming Language Using C

Time: 3 Hours

Maximum Marks:75

Note: Q.no.1 is compulsory. Attempt one question from each unit.
Internal choice is indicated.

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Q1	(a) (g) (i) (j)	Type conversion (b) Size of operator (c) Pre increment vs. post incre % and %g format codes (e) Const keyword (f) Logical operators	
UNIT-I			
Q2		Write a program to print all Armstrong numbers between 1 and 200. What is ternary operator? Write a program to find smallest of 3 numbers ternary operator.  OR	(7) using (5.5)
03	(a) Which one is better switch case or else if ladder? Give suitable example in support		
40	ia		
	(b)	of your answer.  Write a program to display the following pattern as the output:-  1 2 3	(6.5)
		456	
		7 8 9 10	
		UNIT-II	
Q4 (a) Write a program using functions which takes as its arguments the year ar			chacks
A.	(51)		
		whether the year is a leap year or not and then displays an appropriate mess	age on
		the screen.	(6)
		Write a program to calculate factorial of a number with and without recursion OR	both. (6.5)
Q5	(a)	Differentiate between call by value and call by reference.	(6)
		Write a program to check whether a word is a palindrome or not.	(6.5)
4			(0.0)
ESTRUMENT OF THE PROPERTY OF T			
		UNIT-III	
Q6 .		Can we pass arguments in a macro? If yes, give example.	(5)
0 500	io.	Differentiate between #include and #define directives.	(5)
-	10)	is pointer to a pointer?	(2.5)
		OR	
	121	Write a menu driven program for performing all 4 string manipulation fur	actions
	1007		
	11	(copy, compare, length, concat) using functions from string.h.	(8.5)
	(0)	Write a note on extern variables.	(4)
		UNIT-IV	
Q8			
	C. T. D. D.		
- L-	/1.		(7.5)
	(0)	Explain the difference between scrueture and union .	(5)
OR			
Q9 (a) WAP to read the values from a file and save the Even values in a file na			EVEN .
		and odd values in a file named CDD.	(8.5)
	(h)	Differentiate between text and binary files.	(4)
	(0)	Difference of the and the and the angle of the state of t	177