(Please write your Exam Roll No.)

Exam Roll No. 06014202013

END TERM EXAMINATION

FIRST SEMESTER [BCA] DECEMBER-2013-JANUARY-2014

Рар	per Code: BCA-105 Subje	ect: Introduction to Programming (Batch: 2011 or		
Tim	e : 3 Hours	Maximum Ma	irks :75	
1	Note: Attempt five questions	including Q.no.1 which is compuls		
	Select one qu	estion from each unit.		
Q.1	(a) Write in brief about datatype(b) Explain the use of ternary of(c) What are Literals in C.?		(2.5x10=25)	
	(d) Write rules for naming identi	ifiers		
	(e) Explain use of relational oper	rators		
	(f) Write in brief about Recursion			
	(g) Write & explain any 2 function			
	(h) Write short note on enum.			
	(i) Write important features of C			
	(j) Explain use of "extern" keywo			
		UNIT - I		
Q.2	(a) Write a program to check wh		(6.5)	
	(b) Explain the purpose of variou	us loop control structures in C. OR	(6)	
Q.3	(a) Differentiate between "break"(b) Write a program to generate a	" and "continue" using example program following pattern:	. (6) (6.5)	
	1			
	2 3			
	4 5 6			
	7 8 9 10			
		UNIT - II		
Q.4		ranspose of a 3X3 matrix entered by the	11ser (6)	
	(b) Write down benefits using fu	inctions in C. Also write a function to o	calculate	
	factorial of a number.		(6.5)	
		OR	(0.0)	
2.5	(b) Write a C program that retu	class with static storage class in detail. Irns reversal of a number passed to a f ited using call by reference parameter	(6) Sunction. passing (6.5)	
		UNIT – III		
2.6	(a) Explain the concept of struct	ure within a structure using complete p	rogram.(6.5	
	(b) Write short note on each:-		(3+3)	
	(i) Array of pointers (ii)	Array of structures		
		OR		
2.7	(a) Write complete program to co	oncatenate 2 strings using your own fun	ction.(6.5)	
	(b) Write short note on each:-		(3+3)	
	(i) What are macros? (ii)	How to pass structure to a function?	1.2	
		UNIT - IV		
2.8		write 5 student records to a file "Studen	t dat" (6 5)	
	(b) Write short notes on:-	Studen	(3+3)	
	(i) Typedef (ii) Bitfields	S	(0.0)	
		OR		
9.9	(a) Write a program to copy conte	ents of one file to another file.	(6.5)	
	(b) Write down format of 3 functi	ons each from string h and c type h.	(6)	
		*****	1-1	

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