P.T.O.

BIEE-031

DIPLOMA IN ELECTRICAL ENGINEERING (DELVI)/ADVANCED LEVEL CERTIFICATE IN ELECTRICAL ENGINEERING (ACELVI)

Term-End Examination June, 2012

BIEE-031: C-PROGRAMMING

Time: 2 hours					Maximum Marks : 70		
Note		-	•	estions, fiv is compu	e questions are to be an lsory.	swered.	
1.	Choose the correct answer from the given fou alternatives :						
	(a)	Whi	ich of the following is valid variable?			2	
		(i)	int	(ii)	float		
		(iii)	for	(iv)	average		
	(b)	C la	nguage	is a :		2	
		(i)	Middl	e level lar	iguage		
		(ii)	High l	evel langı	ıage		
	(iii) Low level language						
		(iv)	None	of above			
	(c) If $a=3$, $b=2$, then a/b will be:						
		(i)	1	(ii)	1.5		
`		(iii)	1.0	(iv)	None		

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	(d)	How many times a do-while loop 2					
		guaranteed to execute ?					
		(i) One (ii) Zero					
		iii) Two (iv) None of above					
	(e)	Array is a collection of:					
		i) Same data elements					
		ii) Hetrogenious data					
		(iii) Both (i) and (ii)					
		(iv) None.					
	(f)	How many elements will be there in array 2					
		A [10] [5] ?					
		(i) 50 (ii) 36					
		iii) 55 (iv) None of above					
	(g)	CAM stands for: 2					
		i) Computer Aided Manufacturing					
		ii) Computer Aided Machine					
		iii) Computer Application Machine					
		iv) Computer Aided Maintenance					
2.	(a)	Write a C program to find largest number 7					
		among three numbers.					
	(b)	Write a program count number of records 7					
		n a file.					
3.	(a)	Why there is a need to store information and 7					
		access the information? Expalin by giving a suitable example.					

	(b)	Write a C program to generate the following result using loop. 1	7
		2 3	
*		4 5 6	
		7 8 9 10	
4.	(a)	Write a C program to check whether a number is even or odd using conditional operator.	4
	(b)	Write a C program to find out the multiplication of two matrix.	10
5.	(a)	Differenciate the while and do-while loop by giving a suitable example.	7
	(b)	Write a C program to simulate the basic operations of a calculator.	7
6.	(a)	What is primary key in database? Why it is required?	7
	(b)	What is the importance of C in electrical engineering? Explain.	7
7.	(a)	Write a C program to calculate the addition of all elements of a vector.	7
	(b)	Write a C program to generate the fibbonacci series.	7

8. Write short notes of *any four*:

3.5x4=14

- (a) Data Vs information.
- (b) File opening modes.
- (c) Database Management System
- (d) Ternary Operator
- (e) CAD
- (f) Switch() statement