Drintad I	Dagasi		
Printed I	BCA / D-12		
	'C' PROGRAMMING-II		
	Paper-BCA-231		
Time all	owed: 3 hours Maximum marks: 80		
	ttempt <b>five</b> questions in all, selecting <b>one</b> question from each section. <b>Question</b>	tion no 1 is compulsory	
Hote. At	thempt have questions in an, selecting one question from each section. Question	tion no. 1 is compuisory.	
	(Compulsory Question)		
1.	Short answer type question :		
	(a) Explain the difference between size of () and strlen () function?	2	
	(b) What values are returned by a Boolean type function?		
	(c) How an array of characters is represented in memory?	2 3	
	(d) Under what circumstances can a pointer be subtracted from an integ	er?	
	(")	3	
	(e) What is significance and special about a + (append) file operating m		
	(e) (append) into operating in	3	
	(f) If array 1 and 2 are dimensioned as char array 1 [0], array 2 [10]; an		
	what is the effect of the statement array2=array1;	a array 1 mas seem minumized,	
	what is the effect of the statement array2—array1,		
	Section- I		
2.	(a) How a pointer to a structured data type is declared? Describe access	sing of structure's data	
_,	elements using pointers.	8	
	(b) Write a program in C – language to reverse a string.	8	
	(c) ii F. 18-1111	-	
3.	Write notes on:		
	(a) Memory allocation for Union data type	6	
	(b) strcmp () function	4	
	(c) enum data type and its uses.	6	
	Section- II		
4.	(a) Explain the meaning of following statements:		
	$a = (char^*) \& b;$		
	c = (float*) & d;	8	
	(b) Write a program in C – language to locate a person's name in an ar		
5.	(a) How an arrays and pointers are related? Describe a method for according	essing array using pointers and	
	not subscripts.	10	
	(b) Differentiate calloc ( ) and malloc ( ) memory allocation functions.	6	
	a		
0	Section- III		
8.	Explain syntax and working of following file handling functions:	2	
	(a) fopen ()	3	
	(b) feof ()	3	
	(c) fflush ()	3	
	(d) ftell ()	3	
	(e) rewind ()	4	

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7.	(a) Write a program in C – language to change every lower case character.	er in a file to upper case 8	
	(b) Write a program to copy contents of a file into another file in binary	mode.	
		8	
	Section- IV		
8.	Explain the following directives:		
	(a) # include	2	
	(b) # undef ( )	3	
	(c) # progma	3	
	(d) # if	2	
	(e) # error	3	
	(f) # line	3	
9.	Write macro definitions with arguments for calculating area of		
	Triangle, square and circle? Store these macros in a file called "area.h" and include this file in your		
	program?	16	