(i)	Pr	rinted Pages: 2 Roll No			
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		Exam. Code: 0 0 2 7			
Bachelor of Computer Applications 1st Semester					
		(1129)			
PROBLEM SOLVING THROUGH C					
		Paper—BCA-16-104			
Tin	1e Al	lowed : Three Hours] [Maximum Marks : 65			
Not	e :-	- Attempt five questions in all, selecting one question each			
		from Units-I, II, III and IV. Unit-V is compulsory.			
2	٠	UNIT—I			
1.	(a)				
		a decision table? Explain with the help of an example			
		decision table.			
	(b)	**			
		7			
2.	(a)	The state of the s			
		in C language. Discuss the hierarchy among these			
		operators. 6			
	(b)				
		constant? Discuss the rules to name variables.			
		UNIT—II			
3.	(a)	What is the use of goto statement in a program? Show			
		with the help of an example.			
	(b)	Write a program in C language to convert an integer into			
		binary. 7			
4.	(a)	and the same of th			
	(b)	DO OF ROTE MAY MAKE MAKE AN ARTHUR AND ARTHU			
		whether given number is even or not. Use this function			
		to print all even numbers from 1 to 100.			
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UNIT-III

5.	(a)	Discuss call by value and call by reference metho passing arguments to a function with the help of exacode.	12
	(b)	Write a program to search the smallest and the la elements in an array.	rgest 7
6.	(a)	How to use malloc, calloc, realloc and free	in a
	, ,	program? Explain with the help of example cod	
	(b)	Manager and the second	
		dimensional array? Write a program to print al	l the
		elements in an array with the help of a pointer. UNIT—IV	7
7.	(a)	How to read and write strings in a C program? Dis	scuss
		any four string handling functions used in C lange	
	(b)	What is a structure? How structures are different	from
		arrays? How to define and use structures	in a
		program? Explain with the help of example code	. 7
8.	(a)	•	
		to get information about students from user and	store
		the information in structures. Now using pointers	print
		the information of all the students on screen.	6
	(b)		
		string in a file. Now read the alternate characters i	n the
		string and print on screen.	7
		UNIT—V	_
9.	(a)	What is a keyword? Give example.	2
	(b)	What do you understand by character set	00120
		language ?	2
		What is a library function? Give example.	2
	(d)	What do you understand by function prototype?	
		example.	2
	(e)	What is the difference between getch() and getche	
	(6)	What is a union 2 Give avample	2
	(f)	What is a union? Give example.	3
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