Roll No.:.... Total No. of Pages: 4

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BCA103

BCA FIRST YEAR EXAMINATION, 2023

PROBLEM SOLVING THROUGH C **PROGRAMMING**

(Paper - III)

Time Allowed : Three Hours Maximum Marks: 100

PART-A [Marks: 20]

Note: Answer all questions (50 words each). All questions carry equal marks. Define Sinuctures.

PART-B [Marks: 50]

Note: Answer five questions (250 words each). Selecting one from each unit. All questions carry equal marks.

PART-C [Marks: 30]

Note: Answer any two questions (300 words each). All questions carry equal marks. What is a Flow Char E.

PART-A

Answer the following questions:

BCA103

[01]

	(i)	What is an Algorium?	lfalt.
and the second	(ii)	Define Runtime Error.	
	(iii)	What is a Token?	
	(iv)	Define Constant.	
	(v)	Define Continue Statement.	
÷	(vi)	What is mean by Nested Loops?	
	(vii)	Define Functions.	
	(viii)	What is a function Prototype?	
	(ix)	What is an Array?	in A
	(x)	Define Structures. [10x	2=20]
107:		PARI-B	
าย อาร์ จาก		UNIT-I	MoV
2.	Disc	cuss various types of Errors.	[10]
entities of	n 117	or or the second	17-1/1
3	Wha	at is a Flow Chart? Discuss the various symbol	s used in
	Flov	w Chart.	[10]
		a servent miccile in sweet	and the state of
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UNIT-II

4.	Discuss various Operators in C.			
		OR	[10]	
5.	Exp	lain various Data types in C.	[10]	
	E 2 (N W	UNIT-III		
6.	(a) Write a C program to arrange the elements of an Ar			
		ascending order.	[5]	
	(b)	Discuss the Switch case statement with exam	ple.	
	la de cri	IN compact in boundary had both arm in the	[5]	
100		OR		
7.	Diffe	erentiate between While and Do-while states	nent with	
, - ; -	examples.			
		UNIT-IV		
8.	Disc	uss the various types of functions based on P	arameters	
		ing with examples.	[10]	
1-1-1		. apother our continue of a 12 and OR	100	
9.	Write	e short notes on the following: [5+	-5=10]	
	(i)	Call by Value and Call by Reference		
BCA1	03	(3)	P.T.O.	

	(ii) Passing Arrays to functions	
01)	UNIT-V	
10.	Discuss the various Storage classes.	[10]
() []	Explain various Data (NO in C.	3
11.	What is Structure? Discuss the array of structure with ex	amples
i amA	(3) Write at program, किंद्र 1690 the elements of an.	[10]
[5]	PART-Companies	
12.	(a) Discuss the properties of Algorithms.	[7]
	(b) Draw a flow chart for finding the sum of digits of non-negative integer number.	a given
13.	Discuss the basics of C language and Structure of C pr	ogram.
01]	examples.	[15]
	vi-rivo	
14.	Discuss the Loop Control Structures in C with example	es.
	Passing with evaluation.	[15]
15.	Write a C program to multiply two matrices.	[15]
16.	Discuss the various options of File Handling in C.	[15]
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