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	2		()	
Sea	t No.			
	K.B.	F2Y-003-3031002		
	2	B. C. A. (Sem. I) (CBCS)		
		(W.E.F. 2022) Examination		
		December - 2022		
	CS-	02 : Problem Solving Methodologies &		
	Sin	Programming in C 2	0	
	3		2	
		Faculty Code: 003	, è	
	The last	Subject Code: 3031002	9	
	2		-y	
Tin	-	2½ Hours / ZTotal Marks: 70	4907	
	2		()	
1	(a)	Answer the following:	2	4
	0	(1) C language was developed at	3	
	7	(2) What is the range of integer data type?	(i	
	2	(3) ASCII stands for	*	
		(4) How many operands are required for binary opera	tion?	
	(b)	Answer in brief : (any one)		2
	2	(1) Explain Keyword in C.		
	3	(2) Explain typedef keyword.	3	
	()	Answer in detail : (any one)	į.	3
	(c)			
	y.,	(1) Explain scope and lifetime of variable.	-	
	0.	(2) Draw a flow chart to display Fibonacci series	•	
	(d)	Answer in detail : (any one)	1	5
	475	(1) Explain operators is available in C.	2	
	Salar Salar	(2) Explain primary data types available in C.	3	
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(c)	Answer in detail : (any one)	3
AL.	(1) Explain any three functions of string.h header (ile.
3	(2) Explain getch(), getche() and getchar() functions	les
(d)	Answer in detail : (any one)	5
2	(1) What is UDF? Explain any one type of UDF detail.	_
	(2) Explain any two storage class in detail.	
0	0	9
4 (a)	Answer the following:	0 4
3	(1) By default array index starts from .	2
0	(2) Which symbol is used to declare pointer variable	e?
T.	(3) A pointer variable holds	0
	(4) How many ways an array can be initialized?	7
(b)	Answer in brief : (any ana)	2
2	(1) How to initialize I-D array 2	_
(b) 2 3	(2) What is Array ?	1)
(c)	Answer in detail: (any one)	3 3
	(1) Explain pointer to array.	
2	(2) Explain pointer to pointer.	į.
(d)	Answer in detail : (any one)	5
50	1) Explain two-dimensional array with example.	
22 (2) Write a program to enter five numbers and sort the	m
1.	into ascending order using array.	4,1
U	6,3	·
(a) A	Answer the following:	
la (1) Which keyword is used to define a structure?	,
n (2) Which function is used to set file pointer at desire	i vi
2	position?	
3 (3	3) How many memory occupies by a union variable	2
0 (4	17	
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(b)	Ansv	ver in brief : (a	ny one)	0			2
				2		()	
3	(1)	Explain rewinde		3			
0	(2)	Write down file	e opening n	no dė s.			
(c)	Ansv	ver in detail : (any one)	7		=	3
2	(1)	Differentiate:	Structure v/	s Union			
	(2)	Explain fopen()	, fseck() ar	nd felose()	functions		
(d)	Ans	wer in detail : (0	·		5
-		Explain pointer		e with exa	imple.	0	
3	(1)	3		3		2	
0	(2)	Write a program					
7		marks and cop	y them into		c.	C	12
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