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7.	per C	_		IRST SE	MESTER [BCA] NOVDE	c 2019	
71	me: 3	Hours	-W10	5 5	chiect: Introduction to Pr	ogramming Languages Using	c
							75
				compu	isory. Attempt one g	Maximum Marks: uestion from each unit.	
QI	Answ	er brie	fly (A)	ny Firm		*	
	- UI	5CU 55	Dir Dr	TOP BEAR	diameter t	[5x5=2	5)
,		nat di	נוסע פ	Under	stand by demand	nemory allocation? Expli	
	ma	lloc().	calloc	(). reall	oci) and freel function	ns with their syntax and	Мn
	5)H	tuble :	examp	de.		the with their syntax and	
	وزرا مراء	ILE & S	hort n	ote on s	torage classes in c.		
		~ 438 1			ernion in a		
	Dis	tingui	sh b	crent lo	op structures in c thre	rugh suitable examples.	
		unple.		I WEEK	a structure and a	nigh suitable examples. union through a suital	ole
	_			171012	UNIT 1		
Q2	A E	rplain	the if	L.cise at	atement with all is-	variations. Compare it wi	
	_				c program that d	variations. Compare it wi emonstrates the differen	th
	6)	rite a	c brog	rain to t	est whether a given in	**************************************	~
	- 10	ot. Dis	bler s	n shino	printe message in the	output. [5.	
03	a) Wh	at do					•
40	Usi	ing an	you u	nie nie	nd by type casting?	Why is it required? Expla	in
	b) Wri	ite a C	Driver	am to di	splay the following pa		6)
	1		7.08		shary me tonowing ba	ttem (for n lines): (6.	5)
	1	2					
	1	2	3				
	1	2	3	4			
	1	2	3	4	5		
04	- W				UNIT II		
44.	by Wes	E 2 50	סת חס	te on re	cursion.	(5.5	s)
	thr	ough a	napset	r c prog	ction Fibonacci.	first n Fibonacci numbers	
		ong.	recu	erve inti	cuon Fibonacci.	17	7)
05	Diff	erentia	ate be	tween e	all by value and on	by reference methods	.,
	pas	sing p	arame	ters to	unctions using an app	propriate example. (7	
	b) Wri	te a c	function	on that t	earches for an elemen	at x in an array of integers	•
						(5.5	
							•
					UNIT III		
Qo.	ij Wha	it tire	struc	tures ar	id what are Bit Field	atructures? How are the	
				niona?			-
						eremeters to functions, b returned from function? (6	
						tures? How can we acces	
-		/					-

(P.T.O.)

(2.5)

the elements of a structure through a pointer to the structure?

- Q7.a) Write a c program that creates and displays a text file on screen. (7.5)
 b) Discuss the following file handling functions, through syntax and
 examples:
 i) fopen()
 ii) fclose()
 iii) fseek()
 iv) fwrite()
 v) fread()
- Q8. a) Write a c program that counts the number of occurrences of a character in a given string without the use of any string handling library functions.

 (7.5) Explain any five string handling functions from string h with syntax and example.
- Q9. a) Write a short note on header files.
 b) Explain any two functions each from the following header files:
 Stdio,h, math.h, stdlib.h, ctype.h, string h

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