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	I	Tirst/S	Seco	nd S	leme	ster	B.F	_ . I)egree I	Exam	ination,	Jan./Fe	b. 20 2	21
	•	11 50/2	Pr	oar	am	mir	ng i	n	C and	Data	a Stru	ctures	;	
	_			- J .									Sh.	ırks: 80
Tim		hrs.								ONE	C-11			
	N	ote: An	swer (ıny F	IVE j	full q	uestic	ns,	choosing	ONE J	full questic	on jrom ea	CH MOU	iuie.
									Module-1		<u>_</u>			(06 Marks)
. 1	a.	· OF 1 the true times of time conversions with eve											,	
	b.	What 1	s type	con	versio	n! Ex	cprain	ine	two types	or typ	C COHVEISI	ons with 62	tampies	(06 Marks)
	c.	What i	s pset	ıdoco	de? E	xplai	n wit	h ez	kamples.					(04 Marks)
		*** 1100	o Poor				ø'		OR	Ĝ	7			
2	2	Evolai	n the	diffe	rent da	ata tv	nes si	ממו		langua	ge with ex	ample.		(08 Marks)
2	a. b.	List ar	n the	lain	the di	feren	t type	s o	f operators	in C la	anguage.	•		(08 Marks)
	٠.		1		·		• -		Module-2	0.000				
•	_	Evalo	n tha	czynta	y of s	witch	state		nt with ex					(06 Marks)
3	a.	Write	o pro	aram	that t	akes	three	CO	efficients	a. b. c	if a quadra	tic equation	on ax^2	+bx+c as
b. Write a program that takes three coefficients a, b, c if a quadratic equation ax inputs and computes all possible roots and prints them with appropriate messages											ssages.	(10 Marks)		
		трац		· CIII-P		1			OR					
	_	What	ia a 1a	on? I	Evnlai	n the	diffe	ren1	types of l	oops in	C langua	ge with exa	ample.	(10 Marks)
4	a. b.	Fypla	is a ic	svnta	explai	(i) b	reak	(ii) continue	(iii) e	exit		,	(06 Marks)
	υ.	LAPIG	III tile	5,110			Y		dis.			_		
_		3371 4	•		2 Evn	lain d	aclar	atio	Module-	<u>s</u> alizatio	on of array	with exam	ple.	(06 Marks)
5	a. b.	what is an array? Explain declaration and intermediate them in ascending order using												
	υ.	bubbl				10000		6	64°					(10 Marks)
		04001		16	9				OR		~ *			
6		What	ic o⁄fi	ınctio	nn? W	rite a	func	ion	program	to find	product of	two numb	ers.	(06 Marks)
6	a. b.	Expla	in the	two	diffe	erent	techr	iqu	ies of pas	sing p	arameters	to a funct	ion wi	th example
	0.	progr						7						(10 Marks)
		. 4							Module-	4				
-	0	a. What is structure data type? Explain.												
7	a. h	b. Differentiate structures and unions.												
	c. Explain the concept of array of structure with a program.												(06 Marks)	
	1.			1	(1)			Ĉ.	OR					
8	a.	Evola	oin: (i`	fone	en()	(ii)	fclos	e(· `	7	ets()	(iv) fputs	s()		(08 Marks)
	b. Explain the advantages of structures.													(04 Marks)
	c. What is a file? What are the advantages of using files?													(04 Marks)
) 7		Module-	-5		8		
9	a.	What	isar	ointe	er? Wi	rite a	C pro	gra	m to add t	wo nur	nbers usin	g pointers.	_ 8	(08 Marks)
,	b.	What	tisar	repre	ocesso	r dire	ective	?E	xplain #de	fine an	d #include	-preproce	ssor dir	rectives.

OR
What is dynamics memory allocation? Explain malloc and calloc function of dynamic

(ii) queues

(08 Marks)

(06 Marks)

(10 Marks)

Important Note: 1. On completing your answers, contraction, draw diagonal cross lines on the remaining blank p. 3.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

10

a.

memory allocation.

b. Write notes on: (i) stacks