QP Code: 19482

(REVISED COURSE)

				(3 Hours)							Total Marks:80		
N.B. ((1) Q	uestion No. 1	is com	pul	sory.			*			4		
		ttempt any fo				ining	six q	uesti	ons.		(-	,
	(3)	Figures to righ	nt Indic	ate	full n	narks.	9	A .		1			
9.1	a b	I. Sin II. Se Given a set of below. Expla character	gly lin	ked al se	list a earch	and h	nash I ondin	ist se a fre	guen	cy tal	ble as	N.	10
		Symbol	A	В	C	D	E	F	G	H	I]	
	1	Frequency	-	2	2	3	11	2	2	6	6	1	1
Q.2	а	Write algor	ithms t									•	08
	6	What is bina	w tree	? (iven	the fo	llowi	ng tra	vers	als re	econst	ruct	07
1 40.0	b	the bigary t	red.				V	W. 7				-	
	7	Inorder: F. Postorder: I	CEAE	G	D G D B A								
	A	Definé stack	Eval	ain	any t	wo st	ack a	polica	ations	with	exam	ple.	80
حو	а _b-	Define max 16,12,15,53	heap.	Cre	ate a	vallo	max	heap	usin	g foll	owing	:	07
Q.4	a	Define blna	ry sear	ch noc	tree. de (w	Write ithout	an al	gorit rslon	hm to))			80
	b	Define hash the keys sh	ם מאסו	Js¦n eiov	g mid y in h	isquai ashin	re me g list.	thod (list	and l	key 0 13).	ffset, Calcul	store ate	07
		325, 568, 7	78, 55,	11	1, 12	1, 65		98					
25	-a	Write folio	ning al	gori	thms	for si	ngly	linke	d list:				08
	7) 1. L	ppend	twe	n link	ed IIst	s				1		
1	-6	Draw the 98,24,6,7,	B tree	of o	rder	3 by i	nsert	ing fo	llowi	ng da	ata:		07
0.6	a	Explain thr									W.		08
		merchantis respective (1)						1	studios,	Car			DTC

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,b	Define expression tree. Consider following infix expression. Draw the expression tree and find prefix and postfix expressions: (C+D+A*B)*(E+F)	07
Q.7 a	Consider following list and implement radix sort, show the tracing:	07
~	455, 135, 346, 409, 567, 698, 123, 582	
b	Write short notes : : (Any two)	08
	I. Graph Storage Structures	OF COMME
	ii. Clustering	. #
	iii. Doubly linked list	#
1		

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