Reg.	No:													
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	М.	Fech I Yea	r I Sen	neste	(AU r (R16	I ONC 6) Re	DMOL gular	JS) Exan	ninati	ons 、	Janua	ary 20 [,]	17	
			,	ADV	ANCE	ŚIN	DAT	ABAS	SES					
			((Fc	Comp or Stu	outer S dents	scien adm	ce En itted i	ginee n 201	ering) 6 only	<i>/</i>)				
Time: 3	3 houi	rs	(1)		aemo	aam		1201	0 01113)		Max.	Mark	s: 60
			(Ans	wer a	ll Five	Units	s 5 X IT-I	12 =6	60 Ma	rks)				
Q.1	а.	Describe DBMS.	the ev	volutio	on of	distr	ibutec	I DBI	MS fr	om t	he ce	entraliz	zed	6M
	b.	What are distributed	e the I datab	main bases	reas ?	sons	for a	and	poten	tial a	advan	tages	of	6M
• •						0	R	.,.	(0)					
Q.2	a.	In what w	'ay do ions be	the g	enera prima	ilized arv ke	defin evs?	itions	of 21	v⊢ ar	nd 3N	IF exte	end	7M
	b.	Show an	examp	le of	a viol	ation	of the	e integ	grity c	onstr	aint i	n each	n of	
		the three t	types c	of upd	ate op	perati	ons.							5M
• •	_	E data da		- C		UN								
Q.3	a.	Explain th	e oper	ations	sora	two-ti	er Cli	ent/So	erver	archit	ectur	es.		6M
	b.	What are fragments	the sti ?	rategi	c obje	ective	s for	the d	efinitio	on an	d allo	ocation	of	6M
						0	R							
Q.4	а.	Explain th distribution	e trans n trans	sparer parer	ncy fe Icv.	ature	s of a	DDB	MS a	nd dif	feren	t types	s of	6M
	b.	Define mix	xed fra	gmen	tation	? Giv	e an l T-III	Exam	ple.					6M
Q.5	a.	Explain th	e phas	ses of	auerv	proc	essin	a in d	istribu	uted d	lataba	ase.		
					1 5	•		0						7M
	b.	Explain de	ecompo	ositior	n meth	nods	_							5M
06	0	What are	the	ioouor	for	O			ina ir		hotor	20000		
Q.0	a.	database	?	155003	5 101	quei	y pro	16622	ing ii	ıaı	letert	Jyenet	Jus	6M
	b.	Write loca	lizatior	n of di	stribu	ted d	ata.							6M
07	•	Draw and	avalai		-		<u>I-IV</u>							714
Q.7	a. b.	Discuss the	he sor	n que t-mer	ry opt ge alg	imiza jorithi	n and	roces d illus	ss. strate	its w	orkinę	g with	an	7 IVI
						0	R							5M
-											_			
Q.8	а.	What is n from othe	neant I r query	by se [,] optin	manti nizatio	c que on tec	ery op hniqu	otimiza es?	ation?	' Hov	v doe	s it di	ffer	7M
	b.	Mention the different steps followed during query optimization. 5										5M		



UNIT-V

Q.9	a.	Discuss the optimistic concurrency control technique. Name its phases. How is minimum overhead reached?							
	b.	Discuss the atomicity, durability, isolation and consistency preservation properties of a database transaction?	6M						
		OR							
Q.10	a.	Explain the Management of distributed transaction?							
	b.	Compare Distributed Deadlock prevention to Distributed Deadlock Avoidance.							

*** END ***