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		B.T.	ech II Y	Year II	Seme				/	xamir	nation	s Dec 201	19	
		,		DAT	ABAS	SE MA	ANAG	EME	NT S	YSTE	CMS			
						(C	CSE &	CSIT	)					
Time:	Time: 3 hours Max. Marks: 60													
				(A	nswei	all Fi		its 5 x	12 =	60 Ma	arks)			
							-	IT-I						
1	<ul><li>a Discuss about Database users and Administrators?</li><li>b Explain about Database languages with examples?</li></ul>												5M	
	D	Explain	idoui L	atabas	e lang	uages		NR	es?					7 <b>M</b>
2												mple?		5M
	b	Discuss briefly about views?												<b>7M</b>
							Contraction of the local division of the loc	IT-II						
3	a													n <b>6M</b>
	h	SQL. What are the variations in relational calculus? Explain with examples.												
OR													6M	
4											lgebra.	<b>8</b> M		
	<b>b</b> Explain in detail about nested queries.													<b>4M</b>
_				•	- •	1.5		T-III						
5	<b>5</b> a Define normalization. List and Explain different normal forms with example											ples.	7M 5M	
	U	If $R=\{A,B,C,G,H,I\}$ and FD's are $F=\{A \rightarrow B, B \rightarrow HI, CG \rightarrow H\}$ . Why R is not in 4NF? Explain.												
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6	a	Explain a	bout so	chema	refinei	nent i	n data	base d	esign					7M
	b	Explain a	bout d	e-norm	alizati	on.								5M
-		г 1.					the second se	T-IV						
7		Explain A Explain t	-					U	ement					7M
	U	Explaint	lansaci	1011 Sta	les wh	in exa	-	DR						5M
8	a	Explain 7	Time-S	tamp b	ased a	nd The			Rule p	orotoc	ols.			6M
	b	Explain I	Buffer I	Manage	ement	in con	currer	ncy co	ntrol s	system	1			6M
								IT-V						
9		Explain a					ndexir	ng?						7M
	Ø	Explain a	oout II	near ha	isning	:	ſ	)R						5M
10	a	Compare	file or	ganizat	ions?		C							6M
	b	What is c		0		nizatio	n? Illu	ustrate	with	exam	ple?			6M

\*\*\* END \*\*\*