21	0	210	210	210	210	210	210
Reç	gistra	ation No :					
Tot	al Ni	Imber of Pages :	02			в	Tech.
21			0.4.0	210	210		C6301
21	0	5	th Semester Ba			210	21
)ATA BASE MA : AEIE, ECE, E	-		IEE	
			Tim	ne : 3 Hours	,	,	
				<pre>c Marks : 70 ODE : E610</pre>			
		Answer Question			and any FIVE f	rom the rest.	
21			ures in the righ				21
Q1		Answer the follow	/ina auestions :			(2	x 10)
	a)	What is transparen	ι-	,			
	b)	Define System Cat	•				
	c)	What does join ope Compare Non-clus		••			
21	d) ₀ e)	What does a check			it used?210	210	21
21	f)	Define atomicity ar	•			210	21
	g)	Which data mode	el is known as	tree structur	ed model? Wha	at are its	
	b)	disadvantages?	noc of normalizing	r databasa			
	h) i)	Enlist the advantage Specify the rules for			lational model.		
	j)	Which file organiza	•	•		ecord of a	
21	0	file? 210	210	210	210	210	21
Q2	a)	What are the factor	rs of DBMS and s	specify the type	s of database use	ers.	(5)
	b)	Explain the adva	antages of data				(5) (5)
		management syste	em.				
Q3	a)	Consider a table v	which contains 3	columns ID.	Student. DOB. a	nd Marks.	(5)
		Write the query for	following question	ons:			
21	0	(i) Find all the stu(ii) Name the stud		-	-	ark.	21
		(iii) Find out the no		-	st marks.		
		(iv) Display the name					
	b)	(v) Find the studen Describe about the			-		(5)
	5)	Explain data indep			Ų.		(5)
21		210	210	210	210	210	21
Q4		Explain CODD's 12		n avampla l			(5) (5)
	b)	Define 3NF and normalization is los		an example. I	TOW CALL YOU	KHOW LITE	(5)
Q5	a)	Explain the types	of data ware hou	use and the ste	eps needed to bu	uild a data	(5)
	L)	ware house.	a sectoral in the second		Eveloin the need		
21	0 b)	Why concurrency would arise when					(5) 21
		system?	···· ·		· · · · · · · · · · · · · · · · · · ·		

210	210	210	210	210	210	210	210
	Q6 a) b)	What are the variou Consider two trans of two transactions	execution (5) 5)			
210	Q7 10	Briefly describe abo	out the different t	ypes of₂data bas	e recovery techn	iques. 210 (1	0) 210
	Q8 a) b) c) d)	Write short answe Query by Example Data Base failure OLAP vs OLTP. DBA	(5	x 2)			
210	210	210	210	210	210	210	210
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