F	Regi	stration No :								
Tota	al Nu 210	umber of Pages	: 02	210	2	10	210		210	B.Tech
An	swe	4 <sup>t</sup> r Question No.		ster Regul DATA BF Ti Ma Q. ) which is	ar / Back A BASE S RANCH : me : 3 Ho IX Marks ICODE : I	Examin YSTEM CSE ours : 100 -483 sory, any	ation 20 <sup>-</sup>			PCS4I103
		The	e figures	in the rig			ndicate ı	marks.		
Q1	a)	Short Answer T What is Data Ind	• •	•		0)				(2 x 10)
	b) c) d) e) f) g) h)	What is SQL Dep Write a short not Explain why 4NF What are Trigger Define Embedde What are applets How XQuery is u	e on related is more of the second se	tional algeb desirable th		io with the h	elp of an	example.	210	2
	i) j) 210	What is difference What is meant by	e betwee	n SQL and	ement?	10	210		210	
Q2	a) b)	Focused-Short and Give the introduction What is an ER-d	ction of da	atabase inte	tions- (Ar erfaces. W	nat are its	types?			(6 x 8)
	<b>c) d)</b> 210	What is Relation anddomain relati	onal calc	ulus? Expla	in with the	help of s	uitable ex		l calculu	JS
	e) f)	Why concurrency concurrencycont Discuss briefly a	rol techni	que?				Explain,		ne
		What three data suchanomalies be What are the co	e elimina	ted?						
	<b>aj</b> 0	example. How OLAP is us	ed to extr	act and view	w data in ึง	varehousi	ng? <sup>210</sup>		210	
	j) k)	What is relational inrelational mode What do you m withBCNF and suitableexamples	els? nean by the anor s.	Normalizati nalies that	on? Expla exist in	in the fir these no	st three mal form	normal for as with the	ms alor e help	ng of
	l)	Discuss nested of datatypes? 210	relations	ın object re	iational da	tabases.	vvny tney	are called	i compie	ex

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					Part-III				
			Long Answer Type Que	estions (Answ		of Four)			
210	Q3	210	What is Data Mining? Miningand Data Wareho	Explain Data			petween Data	<b>(16)</b> <sub>210</sub>	
	Q4		What is the difference between relational algebra and relational calculus?						
	Q5		What do you mean by toaccess data in the data	ODBC and JDI abase from a Ja	BC? Explain with ava application.	the help of an	example how	(16)	
210	Q6	210	What is an XML Schema	a? What are the	basic füles while	writing <sup>1</sup> XML? E	xplain. <sup>210</sup>	<b>(16)</b> 210	
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