Reg	ISTr	ation No :													
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	•••										B.Tech. BECS2208				
210		210		emesi ABA									210		21
	BRA	ANCH : BIOM	ED, BIO		, CHI , MM Tir Ma	EM, E	ENV, LAST 3 Hourks :	FAS IC, T urs 70	HION	N, FA	_	ETTA	, MINE	ERAL,	
210		Answer Que	stion No	.1 <u>w</u> h					and	any⊧	five f	rom tl	he res	st.	21
		The	e figures		_			_				rks.			
			Answ	er all	parts	s or a	que	Stior	ı at a	ı pıac	ce.				
Q1	Answer the following questions: a) What are different DBMS facilities?							(2 x 10)							
	b)	What is scher													
210	c) Define atomicity and aggregation? 210 d) What are the primitive operations common to all record management System?									21					
	e)	What is mean	•	•			טוו נט	all ICC	Joidi	nana	genie	iii Oysi	terri:		
	f) g)	What do data Compare Nor	_	_		rad in	ndav								
	h)	Enlist the vari					iuex.								
	i) j)	What is a che What is data			en do	es it o	occur	?							
210	•		•				210			21			210		21
Q2	a) b)	Draw & expla				itectui	re of I	DBMS	S ?					(5) (5)	
	,														
Q3	Q3 a) Design an E-R diagram for Banking System. Find ou relationships.						out the	t the entity, attributes and (5)							
	b)	Check the relation												(5)	
210		>C, B->E;₁AB		210	٥,٥,٥	,∟ <i>)</i> αι	210	ICTIOTI	ai uc _i	21		aici	210		21
Q4	a)	Write the que Given 3 relation	ons are: E		ŧ, ena	ıme, s	al)	ı calcı	ulus.					(5)	
		(i) Diapla		roject(•	of th		مامسم		ithor		
210		(i) Displa getting 105.	g salary n												21
		(ii) Displa (iii) Displa chief is	-								-	yee w	hose		
	b)	How B-tree is	differentia	ate fro	m B+	tree?	Give	an ex	xamp	le.				(5)	
Q5	a)	Differentiate example.	between	relatio	nal a	ılgebr	a and	d rela	ıtiona	l cal	culus	with g	given	(5)	
210	b)	Why concurre	ency contr	ol is ne	eedec	d? Exp	olain v	with a	n exa	ample	0		210	(5)	21

10	210		210	210	210	210	210	210
	Q6		Define & explain ARIES a What is shadow paging?		ue for data base r	ecovery.	(5) (5)	
10	Q7 210		Given a relation R(A,B,C, F = {A->B, AC->D, D->E, Check whether the relation out the decomposition is I	Eृ¬>A} on is in 3NFor no	ot. If not decomp	ose into 3NF. Fir	(10) and	210
10	Q8	b) c)	Write short answer on a Data base failures Serializable Schedule Parallel Data base	ny TWO :	210	210	(5 x 2)	210
		d)	Data ware house & Data	mining				
10	210		210	210	210	210	210	210
10	210		210	210	210	210	210	210
110	210		210	210	210	210	210	210
110	210		210	210	210	210	210	210
10	210		210	210	210	210	210	210