		-	2000	\$100 TO		4 4	
		V 1	- 1	34"	- 4	1 1	
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Fifth Semester B.E. Degree Examination, June-July 2009 Database Management System

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions choosing at least two from each part.

Part A

ti.		*	c - st - fallouring ter	me:					
1	a.	De	fine the following ter		transaction	iii)	Data model		ZSSSC ZBAY SEATONEAC
		1)	Database		e designer.	×			0 Marks)
		iv)	Metadata	v) Databas	nnroach			(0	5 Marks)
	b.	Ex	plain characteristic c	i ine database a	innoach. Sa administrator	s?		(0	5 Marks)
	C.	W.	hat are the responsib	ilities of databa	se autimistrator			ı in ED	diagrams
33		ĭ i	st the summary of the	ne notations for	ER diagrams.	Include	symbols used	I III EK	Marks)
2	a.	de la	d their meanings.					Ç	(C MINING)
	Ÿ	337	ith respect to ER mo	del explain wit	h examples,				and the Company
	b.	yy	Ct ontity	ii) W	eak entity	iii)	Participat	tion cons	traints
13		1)	Strong entity		curring relation	ships.		(10 Marks)
		iv							
3	a.	D	efine the following to	erms with an ex	ample for each,	и — « чих 550	34. Q.	A Ni	ılls
~		i)	Super key ii		111	, 14,			12 Marks)
		٧,	i i i al data	base schema S.	vi) The	Entity ir	ntegrity const		12 Waiks)
	Ь	- 12	enlain : i) Domain	constraints	ii) Sema		grity constrai	nts	(no Maules)
	b.	+320	i) Functional depe	ndency constrai	nt with example	S.		ĕ	(08 Marks)
			A						
4	a.	C	liven the schema	cont Dila	1 Lang Cay Cal	ary Sun	erSSN DNo	Y	
	•	E	MP (Fname, Lname,	SSN, Bdate, A	ddress, Sex, Sai	ary, oup	Ja	2 (4.40	
AE:	1000	-	CDC/Dagma Daum	her Morson I	Agrstanuate)				and a plant
	-	T	DEPT-LOC(Dnumbe	r. Dloc), Project	(Pname, Pnumt	per, Proc	, I altern)		
		1	VORKS-ON(ESSN.	PNO, Hours)					
		(" - the malation alon	bra expression	for the following	g:	50000	25	
		;) List female em	plovees from Di	$N_0 = 20$ carning	more th	an 50000.		
			De la company de	· · · · · · · · · · · · · · · · · · ·				34 - 03400 C	Transport Company
			ii) Retrieve the fir	artment details. st name, last na	me and salary o	f all emp	ployees who	work in c	iepartment
		- 1	number 50.						
		3		me of the mana	ger of each depa	artment.			
			iv) Retrieve the na	me of the mana ime and address	of all employee	s who w	ork for the sp	ports dep	artment.
			v) Retrieve the na	imes of employe	es who have no	depend	ents.		(12 Marks)
		فودين	vi) Retrieve the na	ines of employe	vamnle	G FESSIAN		(9:3	
		b.	With respect to SQL	, explain willic	vampie			1.54	
			 The drop comm 	mand	200				(08 Marks)
			ii) The alter comi	nand.	100 1651				
	7		57		Part B	F	ala		(08 Marks)
9	5	a.	Explain Insert, Dele	te and Update st	atements in SQ.	L with e	xampie.		(12 Marks)
3		1. White a note on Aggregate functions in SQL with examples.							Wood and the first of the first
	S. II	υ.	What is the need for	elization	2 Explain the f	irst, seco	ond and third	normal	forms with
8	6	a.	What is the need ic	or normanzation	. izapiani ai-	(100 00 10 to 100 100 100 100 100 100 100 100 100 10			(14 Marks)
			examples.		for relation sche	emas			(06 Marks)
		b.	Explain informal de	sign guidelines	for relation serio	oma.	Tention	24 52765	(10 Maaba)
	-		E 1 ultivalue	dependency at	d fourth normal	form (4	NF) with exa	impies.	(10 Marks)
	7	a.	Explain i) Inclusion	dependencies	ii) Domain k	ey norm	al form.		(10 Marks)
		b.	Explain 1) Inclusion	i dependencies	and resembles	eren erika	Selephon		(10 Marks)
	8	0	Explain properties	of a transaction	with state transi	tion diag	gram.	d:	
	0	a.	Explain properties of What is a schedu	le? Explain w	ith examples s	erial, no	inserial and	conflict	SCHAHZAUIC
		b.	what is a seneut						(10 Marks)
			schedules.		* * * *				