	A	Harsh Mittal Date 33
1		2 K19 CSUNO 1082 Page No.:
40		T3 DBMS Exam
1)	Market Market Aspekt
1	Bn8-1	liven 9= 40,000, B= 1024, R=100
7		O ATU.
1		number of records in one block
9		as Karabian Landa - R Sign
5		as blocking factor = BSize
	-	= 1024 (0 seconds)
-		(2) 100 = block
5		
5		mo- of blocks medd = Mooon
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<u> </u>		
V	/m	Number of index book = 2: 40000
1		68 miles 1 miles 100 by 68
, 		= 589
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		=10
	Chitra	"Failure comes only when we forget our ideals and objectives and principles." — Jawaharlat No.

Harsh Mithel 2K19CSUN01082 Page No.:
And 2 (a) Thust-more (deposites) UT (ust-more
(borrones) (b) To Cust-more (depositor) To Cust mos
(c) Taccid (6 balonce > = 300 (account)

(3)	Harsh Mittal 2 K19 CSWN 01082 Page No.:
Ans-3	(i) Charto tublo and could
	(i) Create table employed (and Char(3), enone varchas (20) mod mulo, elec varchas (20)
	default = 'Chamai Salary number(s), primay pay (Ance);
	(ii) Selvet erans, elec Jason 3
	Eday between 30000 and 5000)
	(ii) (rache view emplayer)
	A MARIE COMPANY OF THE PARTY OF

Hoose Huttel 2K19CSUN01082 incompatible hat mob Date plans Trasoction Ans-4 2 booke Cyllian Crown Excluse. Chitrá "Whenever you take a step forward, you are bound to disturb something." -Indira Gandhi

(E)	Hasse With Date
	2 K 19 C S UNU 1082 Page No.:
Bn8-5	R = (A, B, C, D)
	La Company of the Com
	F.D = A ->B and (->D
	Decomposition R. (AB) and R. (C, B)
1201	Mo nood to find chack condinates
	roticodores so ria estrel de
	Attribute (R) V attribute (R) = $\alpha H(R)$ (A,B)V(C,D) = A,GC,D
	$(P,B) \cup (C,D) = P,BC,D$
	The
	The condition is satisfied.
(i,i)	austral (R) a attached a) + 0
((-)	AHUDIDO (R) O attebase (R) $\neq \phi$ $A_{1}R$ $O(C_{1}D) = \phi$
	Have this contition is not sotiulied
	there was no sour ent their law
	pacel ai Cos of box (DA) & Ca
to the country to	How this contition is not satisfied therefore we can say just this lawy son to R. (A,R) and R. (C,O) is larry decomposition.

House Mittal 2 KIGC SON01082 PAGE NO: lat-S(A) ans-6 200d (4) lock-1(B) nog (B) ib A = 0 thon B := BH Write (B) unlak (A) unlak (B) T32: lock-S(B) real (B) lock-y (A) (A) book 16 B= 0 then A:= A+1 (A) ohen wroak (B) Annap (t) Executor of these transactors Con sent in deallak

9	Hash Muttral 2K19COND1082 Page No.:
	Lock-S(A) Lock S(B)
	Lock-Str) Lock (B)
	2008(A) 2008-4(B)
	lock (A)
	The transactors are now deadlated
	accepted to the de dellare
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Halsh Mitter 2 K19 C & UN 01082 Page 160

Date	 1	

10	(Q)	2 K19 C & UN 01082 Page No:
Perente	Ans-	(a) For combined Loralizability of a schodule we should chock for complich operation, which are Read - Write, who he pad and white- Write between each pair of dranaction, and based on those confide we
11/1/1	A ****- *	graph contains a cycle, it's prot a complet serializable echedule.
0		To make a percedence good. So Read (x) in T, followed by Note (x) in T, then we draw on edge form t, to T, (T; -> T,)
		He we make a precedence graph for SI and S? we would get divided edges for SI as T27 ti, t2 > T3,
		T3-> T1 and Jon S2 as T2-> T1, T2-> T3-> T3-> T1, = T1-> T2.
· •		on SI there is no cyle but S2 has only SI is Complied

	Massh Mittel 2 K19 CSUNDIO8P20 No.:
And 8	$S_1: S_1(x)$ $S_2(y)$ $S_2(y)$ $S_2(z)$
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$N_{2}(\overline{z})$ $N_{3}(\overline{z})$ $N_{4}(\overline{z})$ $N_{4}(\overline{z})$
Ant of the state o	Since there is no cycle. Since there is no cycle.

222	(i)	Vialen Kuttul 2K19CSONDO 82 Page	//
177	Ars 8 (b) S: 5, (3)	20(5)
		9 ₂ (8)	m3()
		$\mathcal{L}_{2}(z)$ $\mathcal{L}_{2}(z)$	W3(Y)
		$W_2(2)$	
3			
6 9 9			
		Since there is yell formed	h9
		Since there is yell borned so	vializable