Name: Muhammad Uzair

Roll No. : LIFIEBSCS 0311

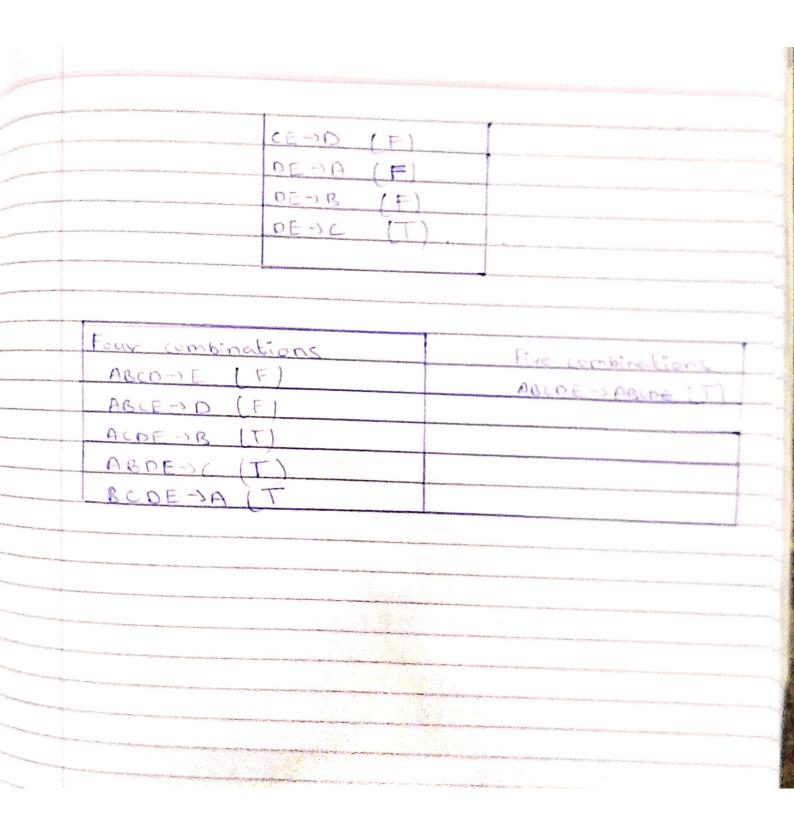
Section - H

Database Assignment 4

Q.1

	Single Combination	Double Combination	Triple Combination
	A->B (T)	AB-)C(T)	ARC -OD (F)
	ADC (F)	AB-) D (F)	ABC-)E- (F)
	A>0 (F)	ABOE (F)	ACD-B (T)
april meter	A->E (F)	ACOB (T)	ACODE (F)
-	B->A (T)	AC-) D (F)	ACE - B (T)
mak	B→c (T)	ACTE (F)	ACE-OD (F)
_	B->D (F)	ADJB (T)	ABD-JC (T)
	B-JE (F)	AD-) C (T)	ABD-JE (F)
	C->A (F)	AD -> F (F)	ABE->C (T)
	C->B (F)	AE-)B (TD)	ARE-DO (F)
	C-10 (F)	AE-JC (T)	BCD -A (T)
	CDE (F)	AE-O (F)	BCE-D (F)
	0-)A (F)	RC-)A (T)	BCODE (F)
	0-3B (F)	BC-D (F)	BCE->A (T)
	D-) C (T)	BC-)E [F]	· CDE-)A (F)
	D-DE (F)	BO-)A (T)	CDE->B (F)
-	E-)A [F]	BD-3C (T)	BDE-)A (T)
	ENB (F)	BD-)E (F)	BDE -C (T)
_	E-) C (T)	BE-)A (T)	ADE-)B
	EDO (F)	BE > C (T)	ADE -> C
		BE DO (F)	
		CO-)A (F)	
		CO-)B (F)	
		CO JE (F)	
		CE DA (F)	
-		CEOB IF	
		A STATE OF THE STA	

Scarineu with Cal



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0.2.
a) R1 (ABCDEFG)
FDS= {A-B, BC-DE, AEG-DG}.
Closures of:-

(BC)^{\dagger} | = BCDE
(AC)+ 1 = ABCDE
b) R2(ARCOE)
FDS = \{A \rightarrow BC, CD \rightarrow E, B \rightarrow D, E \rightarrow A\}
Closures of =-
 (A)^{+} = ARCOE

(B)^{+} = BO

(E)^{+} = EABCO
  (CD)+ 1= CDEAB.
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y-radio-pr	Q.3						
Sign Lower	(a)						
	R3(ABCDEF)						
	FO'S = {AB-) C, C-) D, B-) AE?						
	Not exists	Left	Middle	Right			
	F	B	C	P			
			A	E			
	$(F)^+ = F$						
(FB)+ 1= ABCDEF (S.K) (CK)							
	(FBC)+1= ABCDEF (S.K) (C.K)						
	(FBA)+ 1= ABCDEF (S.K) (C.K)						
	(FBCO)+ 1= ABCDEF (S.K) (C.K)						
	(FRAD)+ 1= ABCDEF (SOK) (COK)						
	(FBCAD)+	= ABGDEF	(s.K) f	C·K)			
	(FRCAE)+ 1= ABCDEF (S.K) (C.K)						
	(FBCADE)+ 1= ABCDEF (SOK) (COK)						
		(b)				
	RY (DRODEFGHIJK)						
	FO'S = { A'-> DK, CG-> H, CJ-> DG, G-> BEI, H-> 3						
			To the second se				
* San .	Not exists	Left	Right	middle			
- especial	F	A	B	5			
_		C	The state of the s				
-		1 J	D				
_			E	15 315			
_			<u> </u>				
	20 10 10 10 10 10 10 10 10 10 10 10 10 10						

```
(F) + 1= F

(FA) + 1= FADK

(FC) + 1= FC

(FACT) + 1= FACTDGBEIHK (S.K) (C.K)

(FACTG) + 1= FACTGBLOEHI (S.K) fC.K)

(FACTBG) + 1= ABLOEFGHIJK (S.K) fC.K)

(FACTEG) + 1= ABLOEFGHIJK (S.K) fC.K)

(FACTEG) + 1= ABLOEFGHIJK (S.K) fC.K)

(FACTGG) + 1= ABLOEFGHIJK (S.K) fC.K)

(FACTGG) + 1= ABLOEFGHIJK (S.K) fC.K)

(FACTGGK) + 1= ABLOEFGHIJK (S.K) fC.K)

(FACTGGK) + 1= ABLOEFGHIJK (S.K) fC.K)
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		c)			
R5 &WXY	23				
R5 {WX Y Z } F0's = { Z > W, Y > XZ, XW - Y }.					
Not exist	Right	Middle	left		
		W			
		X			
		7			
		У			
(W)+ 1=	(n)				
(X) + 1 = MXY					
$(y)^{+} = yxzw$ $(s \cdot k) (c \cdot k)$					
$(z)^{+} = zW$					
$(W \times) + 1 = W \times YZ$ (S.K) (C.K)					
(MX)+1=		(S.K) (C.	10)-		
(WZ) + 1=	WZ	(1 1/2) ((12)		
(MXX)+ 1=	WXYZ_	(S.K) (C	· K)		
[WXZ]+1=	WXYZ				
$(MXXS)_{+}$	1= WX Y2	(3.6)	1		
	-1.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		(d)			
11 4	YZ				
W X	y Z 6 II				
al I	6 11				
a2 2	6 11				
al 1 a2 2 a3 3	6 11 7 12				