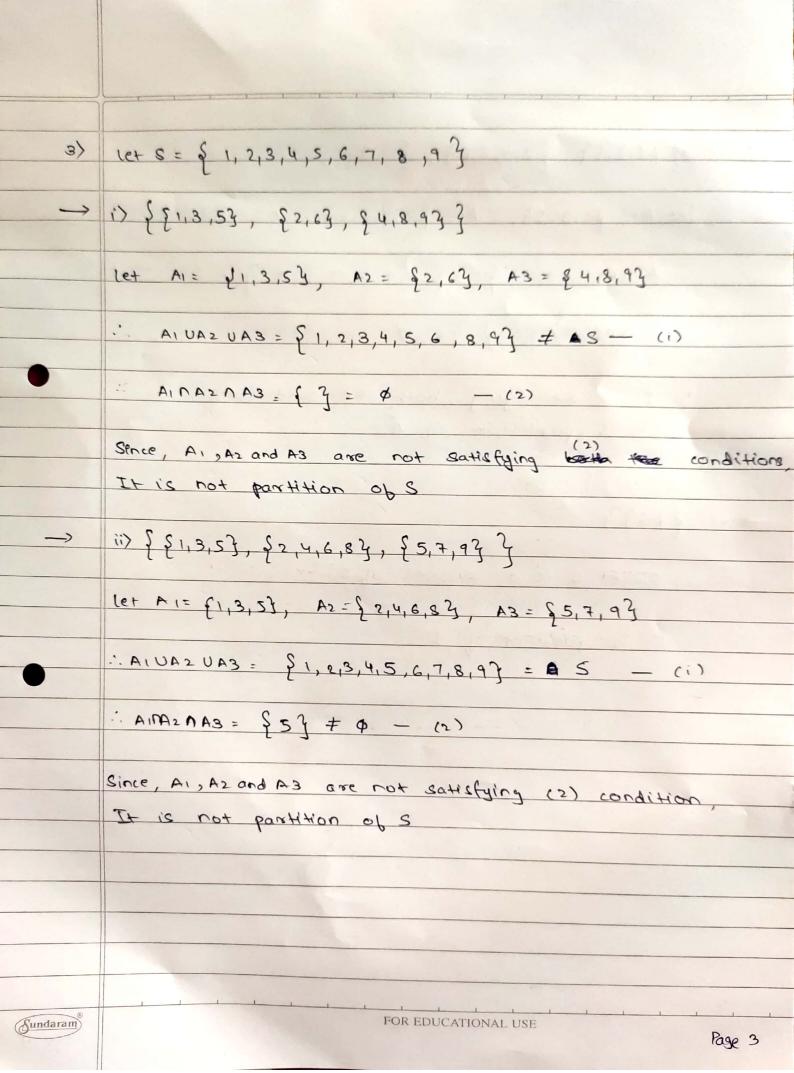


Scanned with CamScanner



→ (5%)	{ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
/ (110)		
	let A1= \$1,3,53, A2= \$2,4,6,83, A3= \$7,93	
	: AIUAZUA3 = {1,2,3,4,5,6,7,8,9 } = S - (i)	
	:. A, NA2 NA3 = & 3 = \$ - (2)	
	": It is satisfying both the conditions.	
	It is postition of &.	ma em
→ (v)) १६९३२	The state of the s
	: Since s is a subset obs	
	It is partition of S	
Sundaram	FOR EDUCATIONAL USE Page 4	
	Scanned with CamScanner	

5>		
9/	let A: data structures	K
	B: assembly languages	
	C: Foundation.	
	14 UBUC = 1191	
	1A1 = 96 1B1 = 39	
	1c1 = 53	
	[Bnc] = 31	
	[ANB]=32	
	[Arcl = 38	
	[AnBrc1 = 22	
	Acc. to defination,	
	[AUBUC] = AI + BI + CI - ANB - BNC - ANC + ANBNC	
	:: LHS = ANB n c = 119	
	(married films married in the second	
	RHS = IAI+IBI+ CI - ANBI- BNCI - ANCI + ANBICI	
	: 96+39+53-32-31-38+22	
	= 109	60
	: LHS + RHS	
	ERECTOR END END END END	
	. The information given is incorrect.	
Sundaram	FOR EDUCATIONAL USE	8
A STATE OF		Pag [S
The second second		

6>	To prove: AABU [Bn ((cno) u (cno))] = Bn (Auc)	
	Proof:	
	LHS:= (ANB)U[BN((CND)U(CND))]	
	- (ACA) 09 JU(80A) -	
	= (ANB)U BN (CN (DUD))] (Distributive laws)	
	= (AnB) u[Bn (cn u)] (Du = u)	
	= (ANB)U[BNC] [CNU=C]	
	BA = (BNA) U (BNC) (Commutative Ique)	
	= Br(AUC) (Distributive law)	
	= RHI	
	LHS = RHS	
	· (AnB)U[Bn((cno)u(con D)] = Bn(Auc)	
	BIT (AUC)	
4>	Simplify: AUB n cu B	
	= ANB N CUB (De Morgon's law) = ANB N BUB (Commutative law)	
	Anting (De Morgan's low)	
	= AUBU C	
Sundaram	FOR EDUCATIONAL USE	
	Ragi	2 6