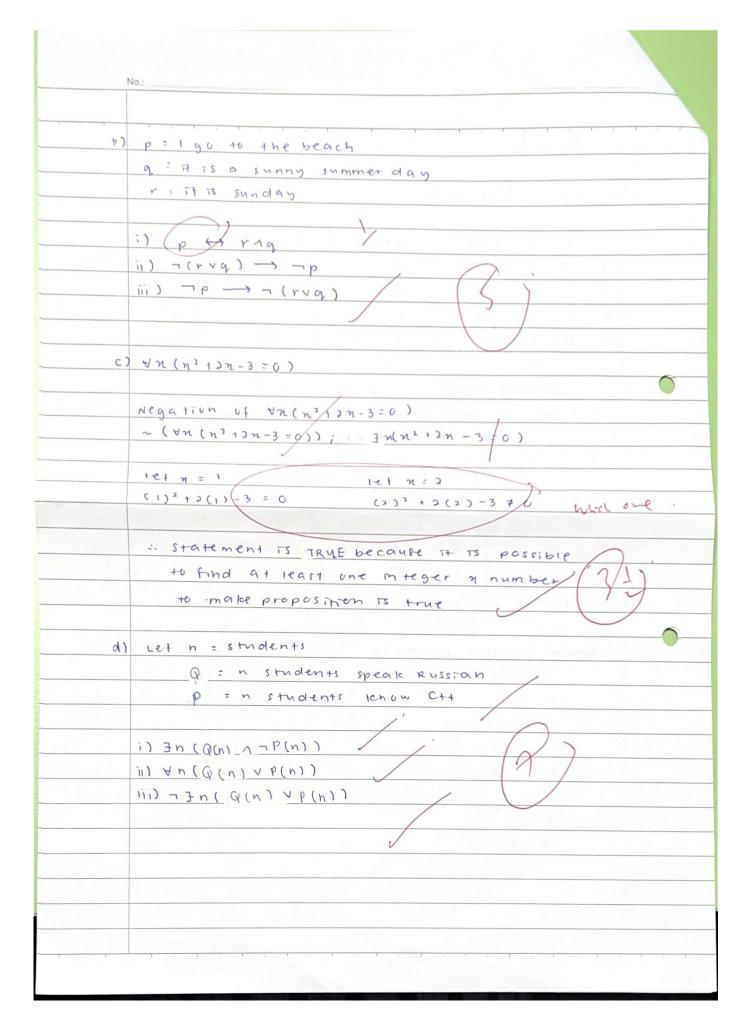
/	1- DAYANG FARAH FARDANA BINTI ABANG IPHAM AZSCS0079. 2- FARRA NURZAHIN BINTI ZAHARIL ANNAK No.:							
	3. SAFIYA N	MURSYAHAP AH BINTI MASNOOK	A23C50176					
. 1	Question 1							
a)	1) {		Let F: facebook years					
	-	F	I = Instagram users					
		25 15 30	T = Twitter users.					
		5	F. LOT.					
		20 5	18 1 H 3 L 1 L 1					
П		20	TRANSFORM PROPERTY A. II.					
		30 T						
		The section of	1/2					
	ii) y =	15 O						
	FUIUT = 25 + 15 + 5 + 20 + 5 + 20 + 30							
	= 12-0							
	(FUIUT)'= U- (FUIUT)							
	= 150 - 120							
	= 30 students							
		11) + (F1) + (T1	\ /					
	1	5 + 20 + 5 = 40 stu	denti					
	(V) (FUIUI) - F = (120 - (25 + 15 + 5 + 20) = 55 students							
	30 + 20 + 5 = 55 students							
	3	0 + 20 + 3 - 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3						
-	. , , ,		1 . 1 . 1 . 1 . 1 . 1					

No.:	
No.	
b) A = \(\ 3 5 7 9 \\ \\	
B = { 2, 3, 5, 7 }	
c = { 3, 6, 9 }	
[] A = 4	
181=4	
101=3	
= 16	
proper subset -> [p(A)] -1	
= 16 -1	
iii) C X B = { (3, 2), (3, 3), (3, 5), (3, 7)	
(6,2), (6,3), (6,5), (6,7)	
(9,2), (9,3), (9,5), (9,7)	(8)
Part of the selection o	
	<u> </u>
	100
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						1600 annonen en				
Qu	Question 2									
9.1	(3110	Y, -								
9)71	7 (pvq) v (7p1q)									
P	9	95	PVQ	7 (prq)	7779	- (pvq) v (-p19				
٦	٦	F	Т	F	F	- Carpina				
٦	F	F	Т	F	F	- 4- 4F				
F	Т	٦	Т	F	Т	7				
F	F	T	F	. τ	F	1				
	1									
	$\neg (p \lor q) \lor (\neg p \land q) \equiv \neg p$									
	: Based on truth table, - (pvq) V (-prq) is equivo									
La	7 2	vine	the law							
-00	31- P		rty Law	S 10 1 80		The second second				
0- 07	Cpv		(7179			7 - 6 4				
1					De morg	an's Law)				
=	٦p	1 (-	19 v q)	0.1 55 1	(Distribi	utive law)				
-	70	1	3 1	20 20 M	compler	ment Lgw) b				
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	Base	of or				(7p1q) Bequivalent +				
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	No.:
	question 3
_	446311011 3
9)	if a1-3b is even, then a is even and b is even
	indirect proof
	case 1
	contrapositive: if a = - 3b is odd, then a is odd and b is odd
	a - 2k+1 let a: 2k+1 and b=2kt1
	$a^2-3b=(2k+1)^2-3(2k+1)$
	= 4k +4k+1-6K+1
	= 4k²-2k+1
	= 2 (2k2-k)+1 (odd)
	at-3b is odd when a is odd, his odd
	-: case 1 is true
1	case 2
	-> a is odd, b is even
	led a: 2k+1 and b=2k
	$a^{2}-3b=(2k+1)^{2}-3(2k)$
	- 4k2+4k+31-6k
	= 4x2-2x+1
	= 2 (2k2-k)+1 (odd)
	al-3b is even when a is odd, b is even
	: case 2 is false
	7.
	case 3
	sa is even, b is odd
	e a = 2k and b = 2k4
	$a^2 - 3b = (2k)^2 - 3(2k+1)$
	= 465 - 66-3
	$= 2(2\xi^2-3\xi)-3 (0dd)$
	a2-36 is even when a is even and b is odd
	= case 3 is false
	4