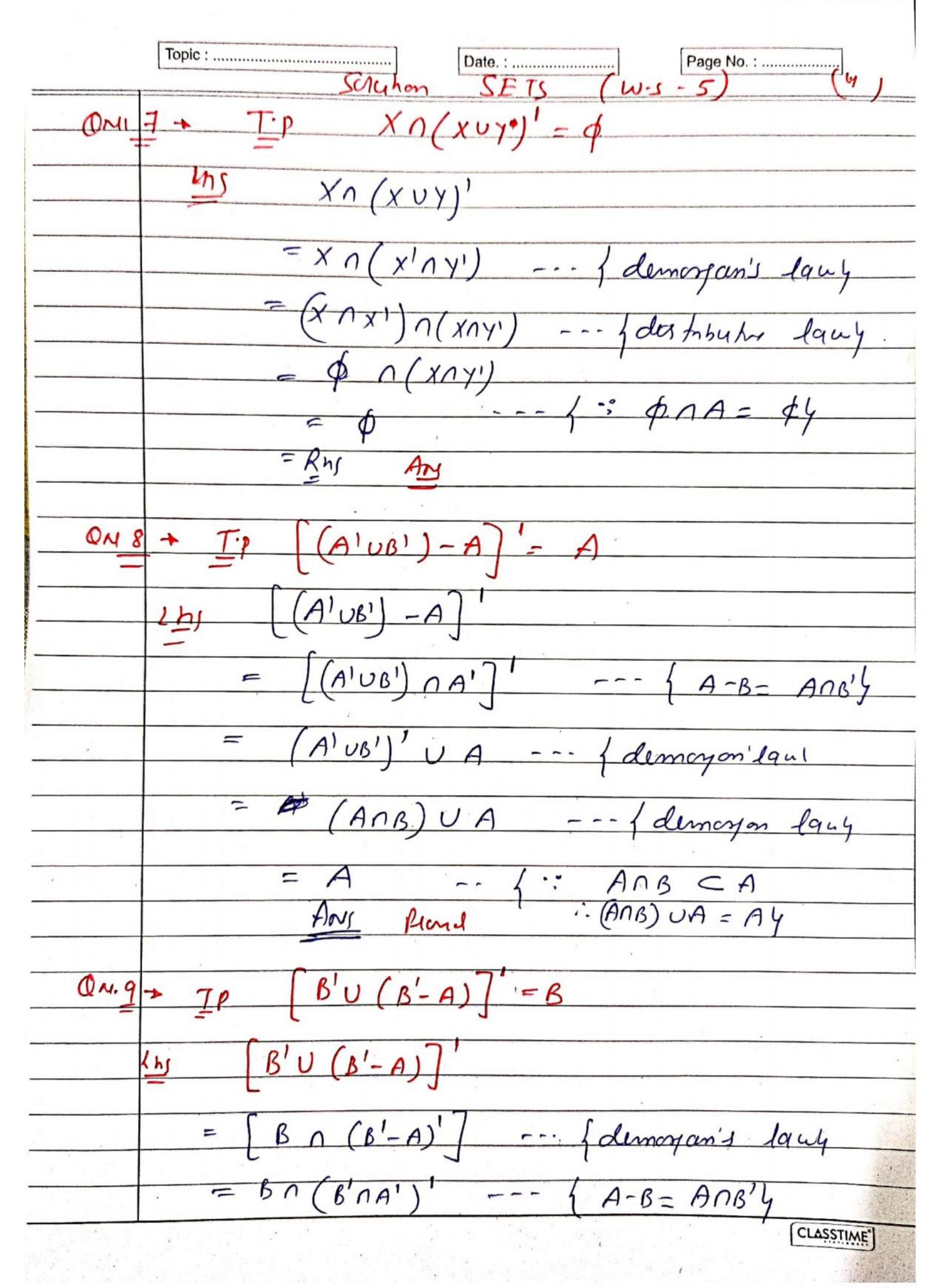
Topic: Date: Page No.: Solutions (WORKSHEET No. 5)	α
C'hapter SETS	
ON 1 (i) 27-1 is always on odd number	fer
all of len than 10	
: A = { 1,2,3, 4,5,6,7,8,94 Ans	
$\frac{t^3}{}=t$	
$\Rightarrow +3-+=0$	
$\Rightarrow t(t^2-1)=0$	-
$A = \{0, 1, -1\}$ $A = \{0, 1, -1\}$ $A = \{0, 1, -1\}$	
F) = { 0, 1, -1 } AN	
$\frac{(71)}{2+5}$ $-5 = \frac{4x-40}{13-x}$	
7-7 13-x	
$\Rightarrow \chi + 5 - 5 \chi + 35 = 4\chi - 40$	
$\chi = \frac{13-\chi}{1}$	- i
$\frac{\Rightarrow}{(40-4x)(13-x)} = (4x-40)(x-7)$	
$= \frac{1}{(40-4x)(13-x)} - (4x-40)(x-7) = 0$	
$\frac{7}{9}(90-44)[13-x+x-7]=0$	
$= \frac{1}{2} \left(\frac{40-4x}{6} \right) = 0$ $= \frac{4x-40}{6}$	
$\Delta \chi = 10$	
in A = {104 Ans	
(iv) $\chi^4 - 5\chi^2 + 6 = 0$	
$2^{4} - 3x^{2} - 2x^{2} + 6 = 0$	
$(\chi^2-3)(\chi^2-2)=0$	· And
$\chi^2 = 3$ or $\chi^2 = 2$	
$\frac{7-\pm\sqrt{3}}{4} \text{or} \frac{7-\pm\sqrt{2}}{4}$	
A= {-13, 13, -V2, 124 Aug	CLASSTIME*

Topic: Date: Page No.:
C. I SILV
On 2 Mi) lu y bi any aibitary eliment y sur
lu yey
P Y'E XUY
P V C(XVY) Proved
(i) he as be any asbitrary element of set XMY.
lu- x E (XNY).
= 7EX and XEY
= (xny) C X prouf
ONS 3 + Lhs (A-B) n(C-B)
= (ANB') N(CNB') 1: A-B= ANB'Y
= (Anc)nB' & Distributy -lawy
= (Anc) - B Ploved
On- Y = 1 hs (A-B) n(ess) Mispins in walling = (AAB) A(ess)
On 4 = 1 hs (A-B) n(EB)
- (AKARI) - (AKARI)
(NOR) 145 = Should be (A-B) n (A-c) - (ADB) n (ADC)
= An (B'nc') f da Inbuty Preply
- An (Buc)' = - De-maggan') lawy
= A-(BUC) & ANB) = A-BY
- Rhy.
Mary
CLASSTIME*

	Topic: Date: Page No.: STYS (3)
	(Note) Sets (3)
ON. 5	Mogent Question showed be
	A - (B - c) + (A - B) - c
	Ly A-(B-C)
	$= A - (B \cap C')$
	= An(Bnc')' & = Anb'y
	= An (B'UC) & demonan laws.
	= (ANB') U(ANC)
	, () () () () () () () () () (
	Rns (A-B)-c
	$= (A \cap B') - C$
	= (Ans')nc'
	= (Ans) n (And)
	Cleary this \$ Rhs Am
01-6	1.p A-(A-B)= ANB
	$\frac{Lh_1}{A-(A-B)}$
	$= A - (A \cap B')' \{ : A - B = A \cap B' \}$ $= A \cap (A \cap B')'$
	= H(H)
	= An (A'UB) { de morgan's lawy
	= (AOA) V(ACO) f dambubu lawy
	$= \phi \ \upsilon(ADB)$
	= ANB QUA = AY = RN ANI
	$=\frac{KN}{N}$
100 100	OFFE AFTER A



	Topic:
	Solution SETS (NV-5-5) (5)
	= Bn(BUA) { demonjon's lawf
	= (BNB) U (BNA)
	Bu (ADB)
	= B ANB CB
	FRM An (ANB) UB = BY
ON- 10	$+ \chi_1 = \{\}$
	X2 = 1 4
	$X_{20} = \left\{ \right\}$
	S= X, U X2 U X3 U · X20
	Max-number g element in Set 5= 5x20 = lov
	But each element of 5 belong exactly to of
	$\sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i$
	5. no. 9 element in set $S \rightarrow n(S) = \frac{100 - 10}{10}$
	Y1 = 1 3
	Y2 = 1 'y
	; 1 1
-	y _m = 1 y
alro	5= Y, UY2UY3U · Yn
	in max $n(s) = 2xn = 2n$
	But every element of 5 belong to exactly 4 of
	The N'S let
	P. C. 1 0 G 9 2
	7 = 10 => M= 20/ Anys
	CLASSTIME'