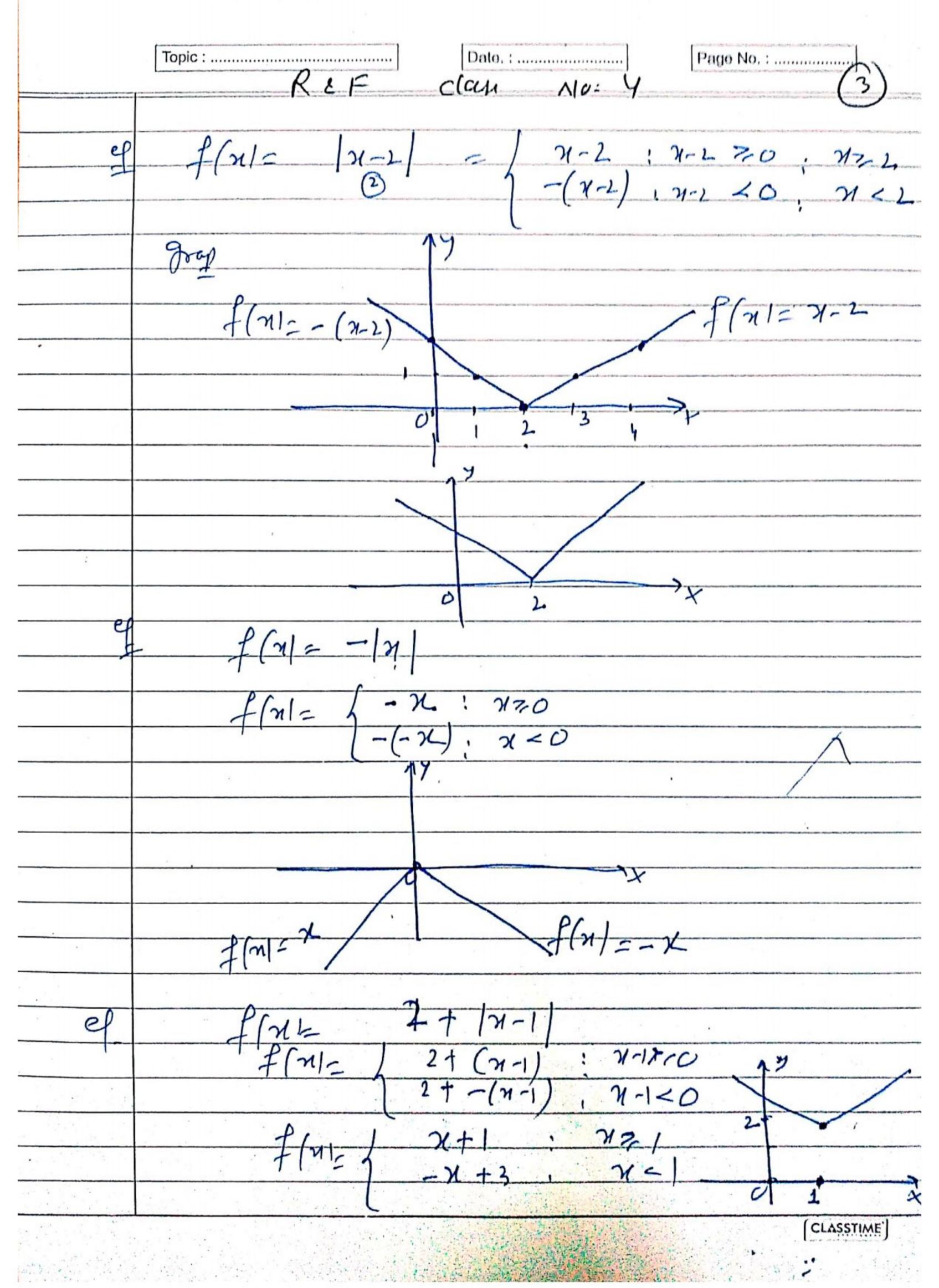
	Topic :
	-ULTIMATE MATHEMATICS
	BY: AJAY MITTAL : 9891067390
	RECATION & FUNCTION
	< CLASS NO= 4-
	Modules firstion
	Symbol.
	1-2 - 2 ; 3 = 3
/	f(x) = x
	3 x = -2
	$\Rightarrow \lambda = 2$
· V	
	1 17 = 2
	then $\chi = \pm 2$ $ 2 = 2$
	=2 = 2
~	f(x)= x = x; x>0
	-x; x<0
,	
	$ \chi-2 = (\chi-2):\chi-2.70:\chi72$ $-(\chi-2):\chi-2<0:\chi72$
	-(x-2); x-2 <0 ; x < 2
	(Sitical pant f(x1= x-2
	Cull (+4) (Right)
	f(a) = 1x=21 = - (1 -)
~	f(n) = x-2 = +ve
	Danain R
	Rony - Solw)
	CLASSTIME')

		0.:
	R&F Clau No: 4	(2)
	Λ	
(*)	f(n/= - x-2 = -x)	
	Doman = R.	
	Range $= (-\infty, 0]$	
(.1	f/n/= 1+ /x+2/	
	Doma R	
	Ronge = [1, w)	
('	f(n/= 1- x-3	
	Roy = (-00,1)	
(,	1 frui- 12-3	(0,0)
	Rong = [-3, as)	
	Troph	
	+ n = n = n : x = 0	
	AY	
	1 1 - X	
	f(n) = f(n)	
	1 1 1 - 1	
		Critical
	1 1 1 0 1 1 X	10,7
	-3 -4 -3	
	Doma= R and Ray (0,00)	
		CLASSTIME"



	Topic:
24	Redyfine the Rinckon
	$f(\eta) = \eta - 3 + \eta - 1 $ (3)
<u>611</u>	f(x1= x-1 + x-3
	$f(n) = \left(-(n-1) - (n-3) \right) $
-	(n-1) - (n-3) $(n-1) + (n-3)$ $(n-1) + (n-3)$
	$f(n) = \begin{cases} -2x + 4 & x = 1 \\ 2 & 1 \leq x \leq 3 \end{cases}$
	27-4 : 7123
[hn]	$f(n) = x+1 + x-2 $; $(-3 \le x \le y)$
	$f(x) = \int_{-\infty}^{\infty} -(x+1) - (x-2)$: $-3 \le x < -1$
	$\frac{(n+1) - (n-1)}{(n+1) + (n-1)} - 1 \le n < 2$
	$f(n) = \begin{cases} -2x + 1 & -3 \le x < -1 \\ 3 & 1 < x < 2 \end{cases}$
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

	Topic:	Date:	Page No.:(5)
2/	Cheatest Integer	Renchan	
	f(x)= [x		
	[1.3] = 1.	[-1.5]] - 2
	$\sqrt{3} = 2$ [3] = 3	[-3° 9°	= -4
	- Domain = R - Ronge = Z		(step Renchm)
9	3 -		0
	- 2 -1	0	
		-1 ½ 3 -1	· 'Y
	(OB) 4 1	7	
	3		
	1 10	- 6 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
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Topic :	
Topic:	(6)
(3) Signum Runction	
Acute 1 1 1 1	
$\frac{1}{ \mathcal{A} ^2} = \frac{1}{ \mathcal{A} ^2} $	40
-1 720	100
0 : x=0	(=0
Doma D	
Konje - { 1,-1,0}	7
Graph . 4	>
	Paul
	<u>—</u>
$\frac{1}{2}$	
f(m1=-1	
(4) Constant Runchian	
1/11 = k (constant) ey f/11=3	(1
In = k (constant) ey f(n1=3) Doma= R , Rony = 1ky	1
9010	1
Je ni= k	
X	
(5) Identity Renchan	X
f/n/= x	
Domar R	
Royer R	
(CLASSTIV	ue'l