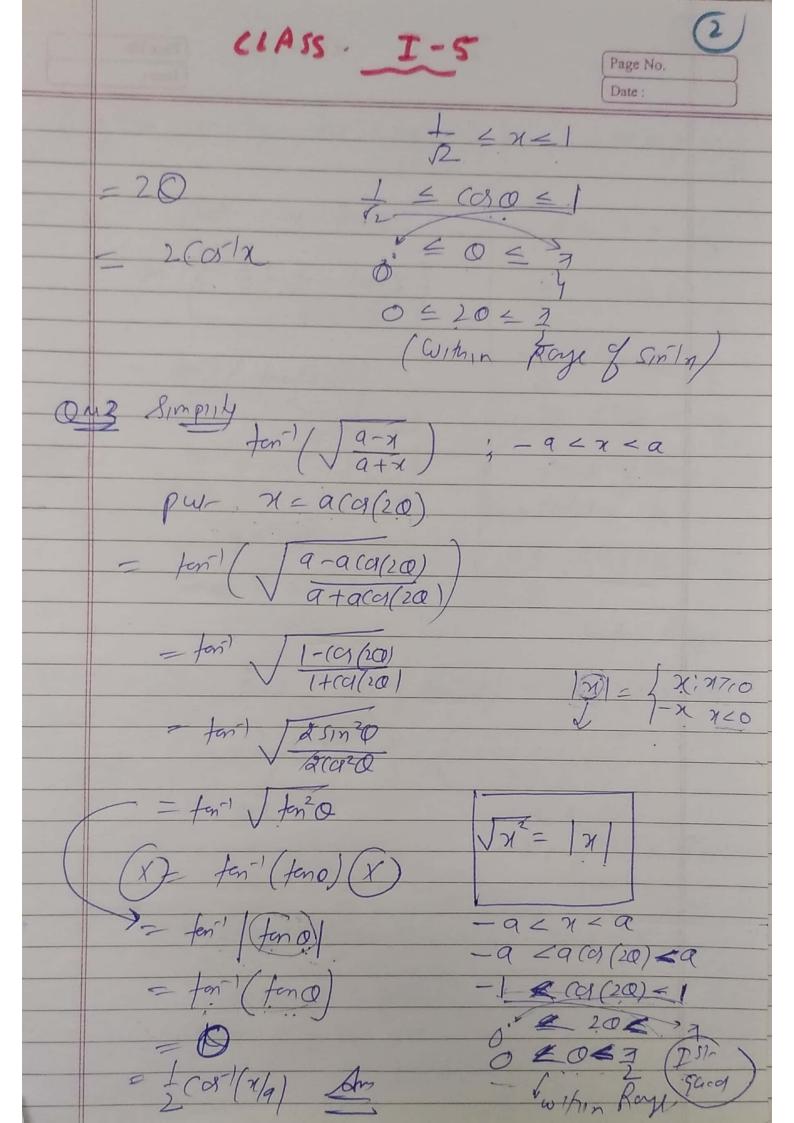
BY: A JAY MITTAL: 9891087390

INVERSE TRIGO CLASS (I-5)

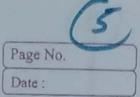
-		
On	1 Simply	
	Sin- (dx JI-x2) , -1	5 × - 1
	(and -x-)	- 1 = 1
	-	
	put x=sinQ	
		-1 2 2 2 1
	Sin' (2500 JI-5120)	-1 < x < 1
	(asing VI-sing)	
		6 = Sino = 1
	= 5m (25m0 (00)	
		-7 < 0 < 7
	= Sin- (Sin (20))	-3 = 0 < 3
	- Jin (>in (20))	
		-1 = 20 = 1
	= 20 = 251 m/x Am	1 mm 4 - Pa }
	25irly An	(within Range)
	= 9 =	
~		
ON.	8 Simpil. Sin' (2x Ji	-x2); t=x=1
_		- 12
	By put nesina	1 1 1 2 2 2 1
		1 = x = 1
1	(1) - 5m-1 (25m0 coso)	
		1 = Sino = 1
	= Sin-1 (Sin(20))	1 ×) 2
		7 2 5 0 5 3
1	pur x=call	4 2
-	2 21/2 2 5/22	1 9 02000
V	- sil 2000 Steals	1 = 20 57 1
	251(40,000)	(ant of Range)
	= sin'i (acoro sino)	
	- Sni (Sn(20))	
	(3/1/20)	



CLASS I-5 Page No. = 4 + Simply tent (3x-x13) N=tenQ Spewal 37+3 ton/x 5 + Snow frat Sec2 (ten! 2) + (csec2 (cot-13) + (cosc (cot 13)) + (Ouc (Card (Jo)) 2

CLASS I-5 Page No. Date: On 6 - Simplify Sin-1 (JI+x + JI-x) pw- 1 = (8/20) = 51n-1/ SI+(08(20) + SI-(01/20) = 51n 1 / Ja(a20 + Jasn20 = SIn-1 (SLC00 + SLSIND) = 5n-1 (1 caa + 7 51n0) = 5in- (Sing (a0 + (as ind) -sn:1/ sin (3+0) = 3+0 = 7 + 1 coly Any CO 13 1000 + Dr7 (05-1 (351-42 + 4x) put x= sin Q

CLASS I-S



= (051/3 51-5120 + 45120 - cost/3coo + 4sina = (05) (3) (010 + 4 sind) a let Col 9 = 3/5 Sing = 51-ca2 = 51-9 = 4 = Cost (cax cao + sing sina) = cos/ (a(0-x)) = O-X = Sin'x - cor/(3/x) Ams 8 + evaluate Sin (3510 (0-4)) Let 51,5 (0-4) = 0.

3 51,0 = 0.4. -> USE

>: it can becomes: 9n(30) -> to find = 35,00-451130. = 3(0y) - 4/0.y)3 - 10 1·2 - 0·256= 0·944 CLASS I-5
Page No.

0.8 + Find the domoun of y = cos (x2-4) Y= (01/(22-4) Cay = x2-4 we know that -1 = coy = 1 -15 x2-45/ Caddin 4 3 = 72 = 5 VB = 121/ = VF 71/5a 17/7a 2 = -a (or) x > a -95x 5a Corldy (x1 55 Convide 17/2/3 -55=4=55 Y=-53 (a) X = 53 Intuserhou - xe [-5,-5] U[S, 5] An