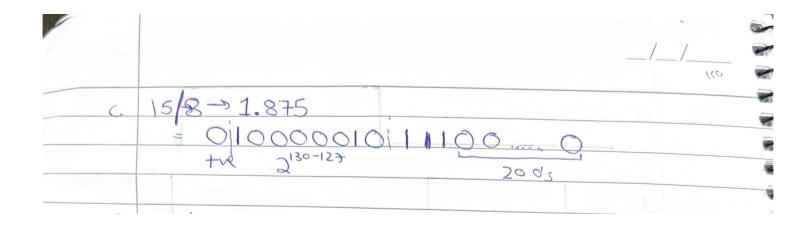


		_/_/_
P3.	A. J.	
	B.	~ [3]
	C.	
	O	
P4.0	) 163 2 - 81 - 1	<u>C</u>
	81/2 340-1 => 10100011	
	$\frac{20/2 + 10 - 0}{10/2 + 5 - 0} = \frac{110100011}{2}$	= -16310
	S(25 2-1 - The North	
	2/231-0 1/230-1 1/230-1 1/230-1	
(d	M, S <sub>131-155</sub> 1 (140.0652)	6000
	= (-1) x 2" x (1.062s) = -1710	



d	153 2+26+107 = and and to the W	
	26/2 > 13 > 0 = 10101018	7
	13/2 3 631 65100110101	
	612 3 2 30 3 (100 1011)	
	3/2 > 1 3/	
	112 9 0 91	

Ale	42/2321-0
Pari	21/2 > 10 -1 3 101010
	10/2 35-0 = 00/010/0
	S12 = 2-1 = (11010101 <sub>2</sub> )
	2/2 - 1 - 6
	1/2 301
P5.	2' Complement Rance:
	2 Complement Range:
	2N-1-1=25
£3	- 2 <sup>n-1</sup> =1240 1011 = 1 0-0185 = 5
	at N=5, 2=24 0-8 es 0
	16<24 (WOT SATISFIED)
	at N=6= 25=24, 32,24 (SATISFIED)
	i, Size of Registes = 6 bits.
	(25) (D. O. F.) (25) -111 (C. O.)
A.	Size of LD_DATA bus = 6 bits
B.	Size of LD DATA bus = 6 bits Width of each register = 6 bits
C-	Width of RA bus & \$32 register > 5 bits
<b>.</b>	Width of WA bus > 6 bit register > 5 bits
E.	32 × 5 = 160 DFF'S
t	5-32 Decodes is used
1	110000116 0-2-51
	-   -   -   -     -
	1 = 0 = III

