Name ? Muzanuil

Roll Doi-Pac-0108"

Section? "3D"

Course or Digital Logic Design."

Assighment? "01-A"

Complete the trable"

	1		
Decimal	Signed Magnittude Form	I's Complement	2's Complemen
7	0111	0111	0///
6	0 116	0/10	0110
5	0101	0101	0101
4	0100	0100	0100
3	001/	0011	0011
2	0016	0010	0010
	0001	0001	0001
0	0000	0000	0000.

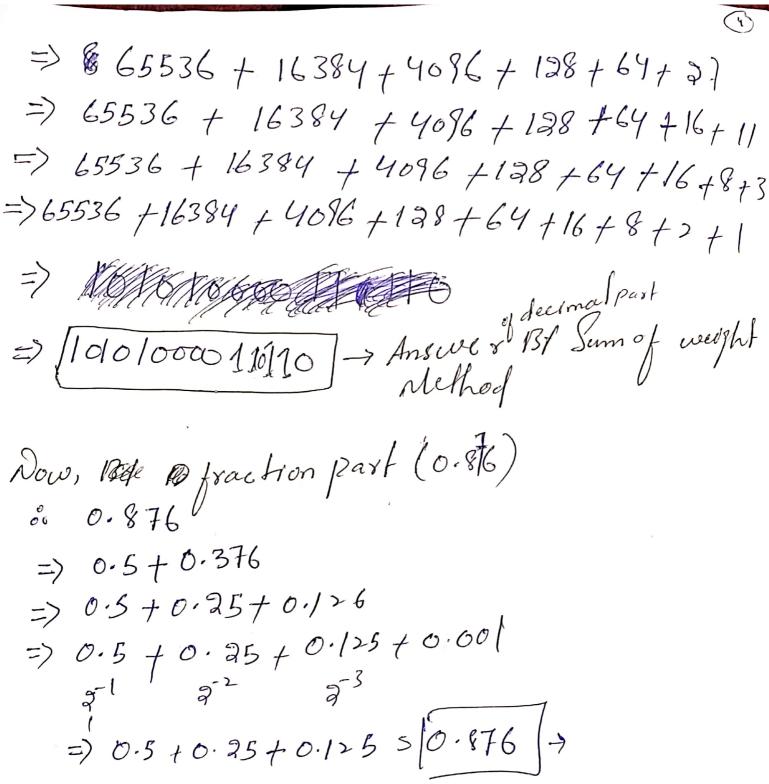
-0	1000	////	A
-1	1001	1110	1111
-2	1010	110)	1116
-3	1011	1100	110/
-4	1/00	1011	1100
-5	[10]	1010	1011
-6	[110	100/	1010
-7	1111	1000	1001
-8	NA MINE	NA01-	1000.

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(Guestion#2 Convert "110111101.1011" binary Number
to decimal Number By Using Sum of weight" (1) 110111101·1011 $\leq |n^2$ 256+128+32+16+8+4+1·0.5+0.121+0.0625 => 445.6875 | -> Answer. Quest 100#3 Convert 86235-876 decimal Number to Binary By Sum of weight Methodi. 1024 5/2 256 128 64 32 168 421 65536 32768 16384 8192 4096 2048 ⇒ 65536+ 20699 => 65536 + 16384 + 4315 =>65536+ 16384+ 4696+218 => 65536 + 16384 + 4096 + 128 + 81

Scanned with CamScanner



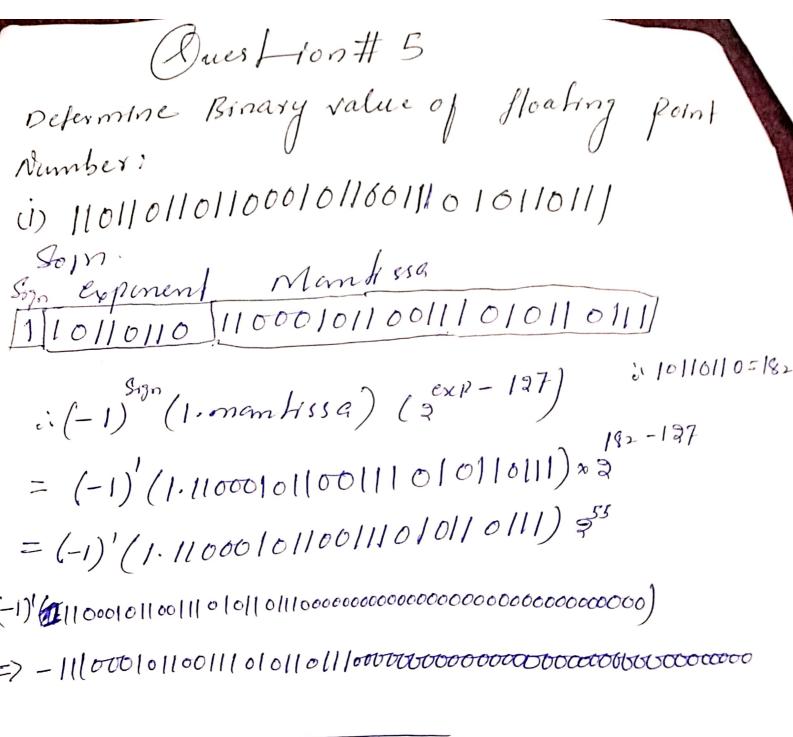


=> [101010000110110.111000] 7 Answer

B1 repealed DIVISION Method/multiplication Question# 3 862315 =) 86235 610101000011011011 43417-1 315\$58-1 Now traction Part (6.876) 131 Multiplication Method 10778-6 GB 5388-1 => After Simplification we 3684-1 =>/11/200000/0000/000/101/ 71 Ams wet. 1347-0 673-1 86235.876= 336-1 >10101000011011011.1110000001000011000110€ 0.876 168 -0 0.128 0.752 -1 9.504 -1 1.752 0.256 84-0 9.008 - 1 72 0.752 42 -0 0-5/2 0.016 70 X× 1.504 XZ 0.032-0 0.128 - 0 1.624 21-6 0.504 0.956 -6 0.024 1 × × 0.512-0 10-1 1.008 6.024-1 0.048 5 -0 0.648-0 0.008 2 D 6.09C 0.096 -0 0.016 72 0.192-0 0.182 0.384 - 00.032 42 0.768-0 0.384 0.536 - 1 Y 2 0.064 0.072 -1 0.144 - 0 0.768 0.255-0 10-128

0.576-0

Quest ion #4 Convert the Decimal Dumber -412.380625 to Single percision =) -412.390625 - 412 5 11 60 11 10 B 206-0 1: 0.380625=011001 103-0 a 412.390625 => 110011100.011001 =>1.1001110001100,1×108+exp 12-1 : =) 8+197 = 135 -> exponent (Bias) 1: 135 = 10000 11 2 135 0-396625 2/16-1 0.78125 × 2 1.5625 0.5625 manfissa Sign Exponent 1.125 10011000100 00000000 0.125



=>[-838860906632815]