Day 188-177 Wk-27 SUNDAY

Monday	1	8	15	07/2019
Tuesday	2	9	16	27 25
Wednesday	3	10	17	73 in
Thursday	4	1.1	18	75
Friday	5	12	19	76
Saturday	6	13	20	27
Sunday	7	14	21	× /

2) Represent -2.25 in the IEEE 754 format. Give your answer
in hexadecimal format. Show all steps clearly.
gol) As we see the sign is negative, therefore our number
will start with '1'.
Now, ignoring the sign, let's convert 2.25 to binary:
Now, ignoring the sign, let's convert 2.25 to binary: The binary code for 2.25 is 10.01
2.25 = 10.01
As, we know, the general IEEE formet is
sign (
Value
Emponent (X) Mantissa (M).
As we know sign is -veitheretore
$\frac{14}{8 \cdot 9 \cdot 1} = 1$
To find Exponent (x)-
We know Normal floating point i-e $A = (-1)^{5 \times} (1 \cdot \text{frac}) \times 2^{(Exp-127)}$
Mantissa = $ 0.0 $ =) $ .00  \times 2 $
=) [·00] x 2'
Mantisa.
=) (-1)5. (1. frac) x (2 (Exp-127)) = (-1)5. (1-frac).2
$= \sum_{p=127+1} \frac{19}{(p-127+1)}$
Enp = 128
20
=) Bin any form of 128 = 10000000.
eve
=) lets subtitute in IFEE format we get
11000000000000000000000000000000000000
Phone    2 0 1 0
email Hexadecimal form for -2.25 is co100000.
website

1	over How		ander How	ormalized	Positive over flow
)	alorma ve			446.	1+0
	-2128	-2-126	2 126		2128

notes		124
Phone		
email		

website