10123. * Fundamentale of computing * S. vishne Vardhan 192210055 1's and 2's complement. all 15 to 015. TO TONY

I's complement: - The one's complement of a Binary number is found by changing all ols to its and

Ex:- (1)01101101001

It's 1st (2's) complement 9s 1001001010.

(ii) 11100010.

11s complément 9s 00011101

(iii) 000111001

1's complement is 111000110.

*2's complement: - The als complement of a binary number is found by first taking the is complement and then adding it to the result.

(i) 00011010.

Step 1: Frad 1's complement. = 11100101 4 Step2:- adding 1 11100101 11000110 Ostep3:- 11100110 it is als complement. (6) 110110000. - Step 1: - Find îts is complement. -001001111 - stepz: -- Adding 1 001001111 -> step3:- 001010000 9t is als complement.