Of Assignment 5 Roll No: DO15 bh = D by = 10 ho = [0 0]  $x_1 = 1$   $x_2 = 2$   $x_3 = 3$ ht = tanh (wx xt + wh ht-1 + bh) hi= tenh (1x 13-4]+0+0) = [0.99505 - 0-99932]  $\frac{-10.97505 - 0.99752}{h_2 = \tanh (3 \times (3 \times -4) + (0.999 - 1) + (3 \times -3)}$ = [1-1]yî = wy.h3 + by = = (81 -1) / -4 / + 10 = -6 + 10

02) I) Embodding -> 72300 12**5**50 × 6 = word length ) centred din) (64×64) + (64×6) + 64 Caesarrent meight Charles Chares no of rente x x no-offentures backloop (32 × 32) + (32 × 14) + 32 Cremount weight (ilp weights = (back prop) no of units x no. of rents of previous layer (16 ×16) + (16 ×32) + 16 (recurrent (11p weight) (backpeop) weights) V Dense -> 408 (24×16) + 24 (no. of rents x (boetpurop) perenions RNN (ager) Derse (output layer) -> 150 (6 x 24) + 6 (mod of no gents (boukprup) ruits of priviles hidden layer