Name: PRATERIC KUMAR Pall No. CSISBTECHIES)

Answer 2(a)

i) X_t : [Aput at line t) S_t = Hidden state at time t)

A S_t = -tenh (W_{xh} x_t + W_{hh} S_{t-1}) \hat{S}_t : Output at time t) \hat{S}_t = S_0 tmax (W_{ho} G_t)

If Let of be correct output at time 1?

If It in the loarning late, contagnatust.

Who = Who - la (2 - 0+) (3 St.

Update Rules for Wxn Whh

Wxn = Wxn - (pt@xt + pt-1 @xt-1+pt-2@xt-t...
+pk@ 7k).22

Wan = Win - (pt@St-1 + Pt-18) St-2 + Pt28 St-2 + - + Pk8 Sk-1). St