Tutorial 1 94) (h) 1 x c 7/1, Whenever the MOSFETs are given high vot gate voltage, they will become conducting, and hence the potential at $X = \pi(T)$ where C = mosfet is on.
Whenever the Mosfet is on. Whenever the MOSFET is switched of, If the capacitor will cause the voltage at x to be held a constant, til the next fine that the MOSFET is switched on. (i) When Tpeets, we can assume the value of n(t) to be constant n shet merval. ! The voltage at X will be constant for a duration of Ts and equal to me value $n(nT_s)$. ie. Sample & hold.

8/p 8) ideal

Sample 1
To 275, 475, 775

To 275, 375, 475, 575, 675, 775 on convolving with Pig4

(ii) The degradation will be their the capacitix will not hold the value constant. The value will de cay with true constant RC. Basically, the sampling will be ideal, but we will somvolute with (iii) The vollage at x will follow nct) til Tp and then hold on for (Ts-Tp).