Quiz 3

(March 23rd @ 5:30 pm)

PROBLEM 1 (30 PTS)

▪ Given the following circuit, complete the timing diagram and get the excitation equation for Q.
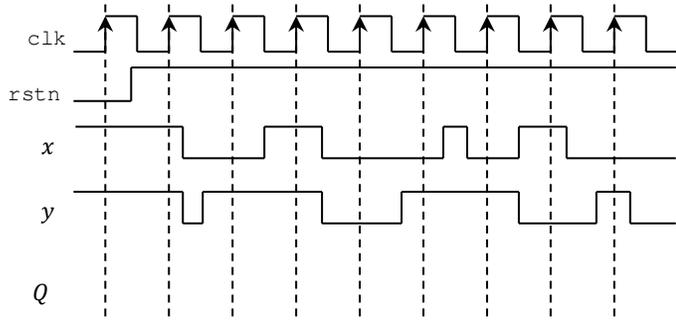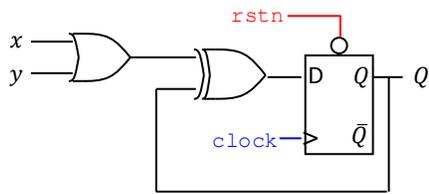
$Q(t+1) \leftarrow$

PROBLEM 2 (35 PTS)

▪ Complete the timing diagram of the following state machine (30 pts):
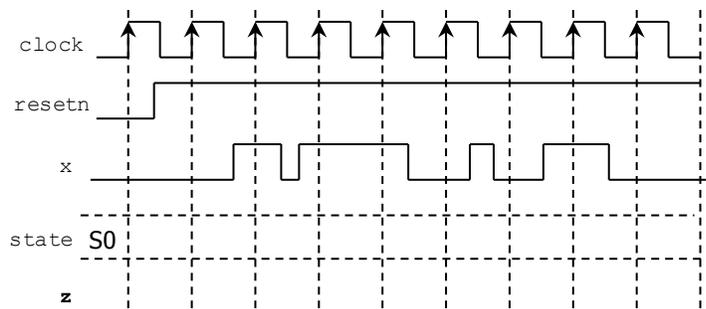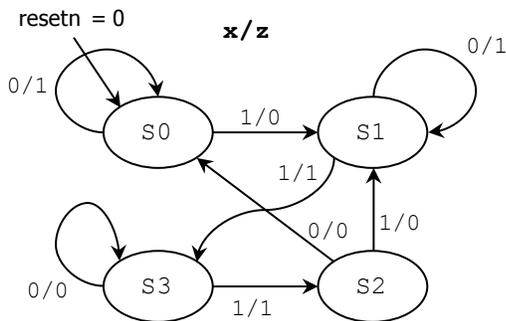
▪ For the given FSM diagram, circle or mark the correct FSM type: (Mealy)   (Moore)

PROBLEM 3 (35 PTS)

▪ Complete the timing diagram of the following circuit. $Q = Q_3 Q_2 Q_1 Q_0$