CS 302   *29 September, 2016*

QUIZ 1

ANSWER

(a) *(5 pts) This is a DFA since at each state there are precisely two distinct transitions to a next state for each of the two possible inputs.*

	state	input	next state
initial state→	A	0	A
	A	1	B
	B	0	B
	B	1	C
final state→	C	0	C
	C	1	C

(b) *(5 pts) The language accepted by the automaton is the set of all sequences of 0's and 1's with AT LEAST TWO 1's in it.*