National University of Computer and Emerging Sciences, Lahore Campus

	Course:	Theory of Automata	Course Code:	CS301
	Program:	BS(Computer Science)	Semester:	Fall 2018
	Duration:	15 min	Total Marks:	5
	Paper Date:	Sep 10, 2018	Weight:	2%
	Section:	E	Page(s):	1
	Exam:	Quiz 1	Roll No.	

Instructions/Notes:

Question 1 (5 points):

Consider a coin flipping game in which you will be given a chance to flip the coin thrice, you will only win the game if the result all your flips is same.

Create a complete state diagram of finite automaton for this coin flip game.