CS 302
QUIZ 3
12 October, 2015

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION

(a) *(5 pts) Write down a regular expression for the set of string of 0's and 1's with no pair of consecutive 1's*

(b) *(5 pts) Is the uni-symbol language $L = (a^n ; n$ an even number) a regular language ? If so find an NFA that accepts it ; if not prove it by the pumping lemma.*

ANSWER

(a)

(e+1).(0.1.0*)*+0*

(b)