

CS 302
QUIZ 6

15 November, 2017

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION

- (a) (5 pts) For $\Sigma = \{0,1\}$ describe a CFG that generates the language L of *palindromes* given by $L = \{w \in \Sigma^* \mid w = w^R\}$ where w^R stands for w written in reverse.
- (b) (5 pts) Describe a pushdown automaton (**PDA**) that accepts L given in part (a) .