CS 302
QUIZ 7

26 November, 2019

Duration : 15 minutes
Do not forget to write your name on your paper !

QUESTION

(a) *(5 points) State the* **Pumping Lemma** *for context-free languages.*

(b) *(5 points) Is the language* $L = (\omega \in \{0,1\}^* \mid \omega = a^{k+2}b^{k+1}c^k, k \geq 0)$ *a CFL ?*

If so find a CFG that generates it ; if not prove that it is not by using the

Pumping Lemma .