

CS 302
QUIZ 8

29 November 2017

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION

(a) (4 pts) *State the pumping lemma for context free languages.*

(b) (6 pts) *Is $L := (\omega \in \{a,b,c,d\}^* \mid \omega = a^n b^m c^m d^n, n, m \geq 0)$ a context-free language ? If so construct a CFG that generates L ; if not prove your claim.*