

CS 302
QUIZ 3

20 October, 2016

Duration : 15 minutes

Do not forget to write your name on your paper !

QUESTION

Consider the language $L = \{ 0^k.1^m.0^k \mid k > m ; k, m \text{ nonnegative integers} \}$

Show that L is not a ***regular*** language using the *pumping lemma*.