CS 302
REMOTE QUIZ 10

27 May, 2021

ANSWERS

(a) *(4 pts)* *See the relevant slides.*

(b) *(6 pts)* *(i)* L_2 *is same as* L_1 *subject to the additional constraint that its strings have even number of symbols.*

Label	Condition	TM
$M_1 >$		R.A
A	$\sigma = \#$	h_{YES}
	$\sigma = x \neq \#$	$\#.R_\#.L.B$
B	$\sigma = x$	$\#. L_\#.R.A$
	$\sigma \neq x \neq \#$	h_{NO}
	$\sigma = \#$	$h_{YES}\,(h_{NO})$

For M_2