

Theory of Computation (I)

Fall – 2017

Quiz # 3

Section E

Marks :10

Time allowed: 10 minutes

Prove that the following language is non-regular using pumping lemma

$$\Sigma = \{a,b\}$$

$$L = \{x \mid x \in \Sigma^* \text{ and number of } a\text{'s in } x \text{ are greater than the number of } b\text{'s}\}$$