

Theory of Computation (I)
Fall – 2017
Quiz # 3
Section D

Marks :10

Time allowed: 10 minutes

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

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

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