

**Theory of Computation (I)**

**Fall – 2017**

**Quiz # 4**

**Section E**

**Marks :10**

**Time allowed: 10 minutes**

Develop push down automata (PDA) for the following language

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

$$L = \{a^i b^j, \text{ where } 3j < 6i \}$$