

**Theory of Computation (I)**  
**Fall – 2017**  
**Quiz # 4**  
**Section D**

**Marks :10**

**Time allowed: 10 minutes**

Give Context Free Grammar CFG for the following language

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

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