

**CS 302**  
**QUIZ 1**

**27 September, 2017**

**Duration : 15 minutes**

***Do not forget to write your name on your paper !***

**QUESTION**

**(a) (5pts) Sketch an *NFA* that accepts the language**

**$L = \{s \in \Sigma^+ \mid \text{First 3 letters of your first name is a substring of } s\}$**

**$\Sigma =$  all the 29 letters in the Turkish Alphabet**

**(Note :  $L$  is possibly a different language for each student !)**

**(b) (5pts) Sketch a *DFA* that accepts the language in part (a)**