CS 302
QUIZ 1

13 February, 2020

Duration : 15 minutes
Do not forget to write your name on your paper !

QUESTION

(a) *(5 pts) For the event set $\Sigma = \{0,1\}$ draw three graphs of any **DFA, NFA** and*

***epsilon-NFA** , each with **3** states.*

(b) *(5 pts) If Σ denotes an alphabet that includes the capital letters of the Turkish*

alphabet, describe a finite state machine that accepts all the strings that have at least

*one **substring 'BABA'** in it . Is your finite state machine a **DFA** or an **NFA** ? Explain.*