

CS 302
QUIZ 3

22 March 2023

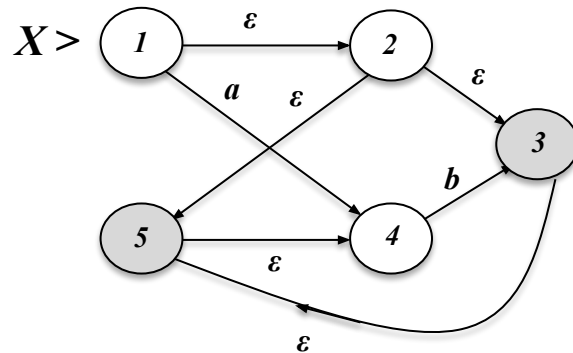
Duration : 15 minutes

Closed Notes , Books and all Electronic Devices

Do not forget to write your name on your paper !

QUESTION (10 pts)

(a) (4 pts) For the ε -NFA X below where $\Sigma = \{a,b\}$ compute the E-CLOSURE of each state 1 to 5 where $\{1\}$ is the initial state set Q_0 of X and $\{3,5\}$ is the final state set F .



(b) (6 pts) Compute the language L_X accepted by X .