

CS 302
REMOTE QUIZ 2

11 March, 2021

Duration : 15 minutes

Closed Notes , Books and all Electronic Devices

Do not forget to write your name on your paper !

QUESTION

Consider the regular expression $E = 0.(1+0.0)^.0$*

- (a) (3 pts) Sketch an ε -NFA , X that accepts the language corresponding to E above with no more than 5 states .*
- (b) (3 pts) Compute and sketch an NFA Y equivalent to X and without ε -transitions*
- (c) (4 pts) Compute and sketch a DFA Z that is equivalent to X .*

(b) (4 pts) Compute