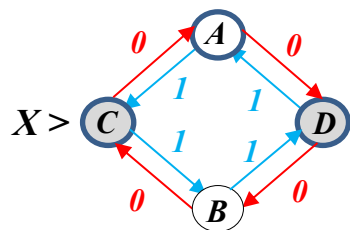**CS 302**
QUIZ 4

11 November, 2020

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

QUESTION

*Consider the NFA **X** below*

*initial state = **C***
*final state set **F = {C,D}***

(a) *(2 pts) State whether **X** is a DFA or not with your reasons.*

(b) *(5 pts) Compute a **minimum state** DFA **Y** that is equivalent to **X** using the **table filling algorithm.***

(b) *(3 pts) Express in a simple manner the language **L_X** accepted by **X***