

CS 302
QUIZ 6

26 April 2023

Duration : 20 minutes

Closed Notes , Books and all Electronic Devices

Do not forget to write your name on your paper !

QUESTION (10 pts)

(a)(3 pts) State the definition of Chomsky Normal Form for CFG's

(b)(7 pts) Construct a CFG G for the language

$L = \{w \in \{0,1\}^* \mid 0^n 1^m, 0 \leq n \leq 2m\}$ in Chomsky Normal Form .