CSE331	
Student ID:	

Quiz 3 Total Marks: 10 Duration: 10 minutes



You have to use the designated spaces for your answers. No extra pages will be provided.

Tou have to use the designated spaces for your answers. Two extra pages will be provided.	
Problem 1: Designing Context-Free Grammar (10 points)	
Let $\Sigma = \{0,1,2\}$. Give a context-free grammar for the following language over Σ .	
$L = \{1^{i}02^{j}1^{k} \mid i, j, k \ge 0, 3i \ge 4k + 2, j \text{ is not divisible by three}\}$	