Quiz 5A: Context Free Grammar

CS 212 Nature of Computation

Habib University — Fall 2023

Total Marks: 10	Date: September 20, 2023
Duration: 10 minutes	Time: 830–840h
Student ID:	
Student Name:	• ()
1. (10 points) Consider the grammar given by the following rule. $A\implies A\circ A\mid A\wr A\mid 0\mid 1$ Provide a leftmost derivation of the string, $0\circ 1\wr 1$	
Solution: $A \implies A \circ A \implies 0 \circ A \implies 0 \circ A \wr A \implies 0 \circ 1 \wr A$	$\implies 0 \circ 1 \wr 1$