

Daffodil International University

Department of Computer Science and Engineering

Course: Compiler Design

Quiz 2

Questions

Q1.	Find FIRST() and FOLLOW() functions from the following productions: $\begin{array}{l l} S \rightarrow aBDh & D \rightarrow EF \\ B \rightarrow cC & E \rightarrow g / \varepsilon \\ C \rightarrow bC / \varepsilon & F \rightarrow f / \varepsilon \end{array}$	8
Q2.	Construct an LL(1) parsing table for the grammar given in Question 1.	4
Q3.	Consider the following grammar and eliminate left recursion if there exists: $\begin{array}{l} S \rightarrow A \\ A \rightarrow Ad / Ae / aB / ac \\ B \rightarrow Bb / BaA'b / cA'b / d \end{array}$	3