ourdiu.com | Shared by SUPAN ROY

# 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:<br>$S \rightarrow aBDh$<br>$B \rightarrow cC$<br>$C \rightarrow bC / \varepsilon$<br>$D \rightarrow EF$<br>$E \rightarrow g / \varepsilon$<br>$F \rightarrow f / \varepsilon$ | **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:<br>$S \rightarrow A$<br>$A \rightarrow Ad / Ae / aB / ac$<br>$B \rightarrow Bb / BaA'b / cA'b / d$ | **3** |

ourdiu.com