

Daffodil International University

Department of Computer Science and Engineering

Faculty of Science and Information Technology (FSIT)

Quiz No. 2, Course Code: CSE221, Semester: Fall - 2022

Course Title: Theory of Computing

Section: 221_DSC, Course Teacher: RHH

Time: 60 minutes

Total Marks: 15

Answer all questions.

1. Build a DFA to accept a set of all strings over $\{t, s\}$ where each string starts with an 't'. 5
2. Build a DFA to accept a set of all strings over $\{t, s\}$ where every s in w is followed by 'ss'. 5
3. Build a DFA to accept a set of all strings over $\{t, s\}$ where each string ends with a 'tsst'. 5