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Daffodil International University
Computer Science and Engineering Department
CSE 112 Computer Fundamentals
Summer-2025 Class Test: 02
Full Marks 15 Time- 30 Min
Date: 16/06/2025

Name: _____ Student ID:

From the following Boolean Expressions draw the logic circuit and simplify them and again draw a simplified logic circuit.

1. Expression: (A.B)+(A'.B)+(A.B')

2. Expression: ((A+B)'+(A'·B))·(A+B+C)

3. Expression: (A+B)·(A'+C)·(B'+C)

4. Expression: ((A·B')')+(A'·B'·C)+(A'·B'·C')

5. Expression: (A·B'·C)+(A·B·C)+(A'·C)+(A·C')