



EAST WEST UNIVERSITY
Department of Computer Science and Engineering
Fall 2021 Semester
CSE345 Digital Logic Design, Section-2, Class Test-1
Marks:10
Time: 20 minutes

ID#		Name	
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1. Construct truth table for the following function (Do not change the form of the given expression). [7]

$$F(A, B, C, D) = (B' + D)(A' + D') + (A'B + D)$$

2. Draw the logic diagram of the following expression (Do not change the form of the given expression). [3]

$$F(A, B, C, D) = \{B'C'(A' + D)\} + \{AC' + B'D'\}$$