



**EAST WEST UNIVERSITY**  
**Department of Computer Science and Engineering**  
**Fall 2021 Semester**  
**CSE345 Digital Logic Design, Section-3, 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]

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

2. Determine the CPOS expression algebraically of the following function. [3]

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