



**EAST WEST UNIVERSITY**  
**Department of Computer Science and Engineering**  
**Fall 2021 Semester**  
**CSE345 Digital Logic Design, Section-2, Class Test-3**  
**Marks:10**  
**Time: 25 minutes**

1. Design a sequential circuit represented by the following transition table using D Flip-Flop.

Present State $Q_1Q_2$	Next State $Q_1Q_2$		Output, $z_1z_2$	
	$x = 0$	$x = 1$	$x = 0$	$x = 1$
00	00	10	11	01
01	11	01	00	11
11	11	10	01	10
10	01	11	10	01