**North SouthUniversity**

Department of Computer Science and Engineering

**Quiz-3**, Section – 4, Fall-2016

Course No: **CSE 231** Course Title: **Digital Logic Design**

Time: 10 min Full Marks:10

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| 1. | Use Karnaugh maps to simplify the following expression: | 5 |
|  | **xyz + xyz’ + xy’z + xy’z’ + x’yz + x’y’z + x’y’z’** |  |
| 2. | Use Karnaugh maps to simplify the following expression: | 5 |
|  | **X’yz’ + xy’z’ + x’y’z + x’y’z’ (don’t care xyz’ )** |  |