**North SouthUniversity**

Department of Computer Science and Engineering

**Quiz-3**, Section – 5, 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 |
|  | **F = ∑(1,3,4,5,7,8,9,10,11,13,15)**  **D = ∑(12)** |  |
| 2. | Use Karnaugh maps to simplify the following expression: | 5 |
|  | **xyz + xy’z’ + x’y z + x’y’z (don’t care x’yz’ )** |  |