**North SouthUniversity**

Department of Computer Science and Engineering

Quiz-3, Section – 4, Spring-2017

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

Time:20 min Full Marks:20

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| 1. | Design an even parity generator circuit using only multiplexer | 10 |
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| 2. | Using decoder and external gates, design the combinational circuit defined by the following boolean functions  F1 = x’y’z’ + xz  F2 = xy’z’ + xy  F3 = x’yz’ +x’y | 10 |