**North South University**

Department of Computer Science and Engineering

**Quiz-2**, Section – 4, Fall-2016

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

Time: 15 min Full Marks:15

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| 1. | Simplify the following Boolean function to minimum number of literals. | 6 |
|  | **A’C’ + A(BC + C’)** |  |
| 2. | Express the following Boolean functions in a product of maxterms. | 4 |
|  | **F (x,y,z) = 0** |  |
| 3. | Implement following term with only OR and NOT gate | 5 |
|  | **F = xy (x’ + y’)+ xz’ (x’ + y’)** |  |