North South University

Department of Computer Science and Engineering

Quiz-3, Section – 1, Summer'21

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

Time: 25 min   Full Marks: 17.5

Plagiarism Policy: If cheating is detected, 0 will be assigned.

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1. Write down first 20 consecutive numbers starting from 30 in a number system with base =4   2.5

2. Convert the following numbers with the indicated bases to decimal: 2.5

    $(13.42)_6$

3. Perform Subtraction on the given unsigned binary numbers using 1's complement.   5

    10001 – 11011

4. Express the following number in Octal: 2.5

    $(129.16)_{10}$

5. Convert the following numbers in BCD   5

    309 and 109

    Then perform BCD addition