**North South University**

Department of Computer Science and Engineering

Quiz-3, Section – 3, Summer’17

Course No: **CSE 332** Course Title: **Computer Organization and Design**

Time: 20 min Full Marks: 15

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| 1. | Draw a single datapath diagram that can execute the following instructions.  sub  lw  slt  Ensure that you identify all the I/O & control signals, bus width correctly.  Ensure that you don’t draw any unnecessary components/buses | 12 |
| 2. | Show the IEEE754 representation of (-2.75)10 using single formats | 3 |