**North South University**

Department of Computer Science and Engineering

Quiz-2, Section – 2, Summer’17

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

Time: 20 min Full Marks: 15

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| 1. | What is word addressing? Draw a simple diagram of MIPS immediate addressing mode. | 2+2 |
| 2. | Explain stack based architecture. Give an example. | 2+1 |
| 3. | Translate following program into compiled MIPS code.  Assume that g, c, i are in $s0, $s1, $s2 registers. base of B is in $s3.  i) g = B[i]  i) g = g + c  ii) if ( i ==0 )  i++;  else  i--; | 3+2+3 |