**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Fall 2014**

**Quiz-2**

**Full Marks:15 Time: 30 Mins**

1. What are the purpose of PC and $sp**.**  **2**
2. Encode the MIPS instruction **addi $16,$17, 18** and **lw $16,40($17)** also find their type**.** **3**
3. Write MIPS instruction for the expression **if (i<=10) f=g+h,**  using minimum number of

Register. **3**

1. Describe how JUMP address is calculated with figure.   **4**
2. Convert ***bgt $s1,$s2****, Exit* into equivalent MIPS code. [blt= branch if less than] **3**