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

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Summer 2015**

**Quiz-3**

**Full Marks: 15 Time: 20 Mins**

1. Explain the performance equation? **5**
2. Draw a datapath for executing lw $14, 33($13). Also show the dataflow in your diagram. **10**

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**Quiz-3**

**Full Marks: 15 Time: 20 Mins**

1. How do you summarize the performance for benchmark set with a single number? **5**
2. What are the difference between single cycle and multicycle datapath. Draw a datapath for executing the Jump instruction. **3+7**