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

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Summer 2015**

**Quiz-3**

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

1. Define throughput and CPI? **5**
2. Draw a single cycle datapath for executing the instruction addi$17,$18,23. Also show the dataflow in your diagram. 10

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Summer 2015**

**Quiz-3**

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

1. Define single cycle and multicycle datapath. **5**
2. Design a single cycle datapath for executing the Brunch instruction. **10**