

Student Name:

**CE956: Statistical Learning**  
**Department of Computer Engineering**  
**Sharif University of Technology**  
**Spring 2019: Room CE204, Sat. & Mon.: 13:30-15:00**

**Quiz 05 (20 Points) – (May-04-2019)**

Big Data: (each question 5 points)

1. What are the main characteristics of Big Data?
2. What is Mapreduce? How does it work? Name a few applications of Mapreduce.
3. What are the pros and cons of Hadoop?
4. What is Spark? When and why Spark is preferred over Hadoop?