



# AJEENKYA

## D Y PATIL UNIVERSITY

### End Term Examination (December 2019)

School: School of Engineering

Program: B.TECH (ITDS)

Course: Big Data Analysis

Course Code: CSC339

Semester: V

Max Marks: 30

Duration (mins) : 60 Min

- Note- 1. Figures to the right indicates full marks**  
**2. Attempt any three questions.**

- Q1) a)** Why do we need Hadoop? (5)  
**b)** What is the basic difference between traditional RDBMS and Hadoop? (5)
- Q2) a)** What is MapReduce? (2)  
**b)** Explain the working of MapReduce with a neat diagram. (8)
- Q3) a)** List Down the features of Pig. (6)  
**b)** List and explain all the components of pig. (4)
- Q4) a)** What are the different types of tables available in Hive? (2)  
**b)** What are collection data types in Hive? (3)  
**c)** Compare Apache Pig Vs MapReduce. (5)
- Q5) a)** Explain how Sqoop works with a neat diagram? (5)  
**b)** Explain Apache Flume architecture with a neat diagram. (5)

\*\*\*\*\*ALL THE BEST\*\*\*\*\*