

Code: 17CSCS2T2

I M.Tech - II Semester - Regular Examinations – AUGUST 2018

BIG DATA ANALYTICS
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours

Max. Marks: 60

Answer the following questions:

1. a) Define Big Data, why Big Data is so Important? 7 M
b) How Hadoop is different from Distributed Approach? 8 M
(OR)
- 2.a) Explain the Core Components of the Hadoop Eco System with a neat Diagram. 7 M
b) How can you move data in and out of Hadoop? 8 M
3. Describe about Anatomy of File write and read with a neat Diagram. 15 M
(OR)
4. a) Explain some Hadoop shell commands with examples. 7 M
b) What is SSH, why it is needed in cluster setup? 8 M

5. a) Explain about Shuffle and sort. 7 M
- b) Write a program to count number of words from a given text file using Map Reduce. 8 M
- (OR)
6. a) Explain the Map Reduce Architecture. 7 M
- b) Write a Map Reduce Program to Multiply Matrix-Vector. 8 M
7. a) Write about Zookeeper services. 7 M
- b) Explain the Hive Architecture with neat diagram. 8 M
- (OR)
8. Explain how Hadoop runs a Mapreduce jobs using YARN? 15 M