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R-15

Code: 5G171

IV B.Tech. I Semester Supplementary Examinations October 2020

Big Data and Data Analytics
(Computer Science and Engineering)

Max. Marks: 70

Time: 3 Hours

Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks)

UNIT-I

- 1. a) What is BigData and why does it matters? Explain. 7M
- b) Explain the best practices for Big data Analytics in brief. 7M

OR

- 2. a) List out the big data sources Explain in brief. 7M
- b) Define Hadoop and compared with RDBMS. 7M

UNIT-II

- 3. Define MapReduce. Explain MapReduce framework with example. 14M

OR

- 4. a) Write a java program reading data from a hadoop URL. 7M
- b) Define DataNode and How does Name Node tackle DataNode failures? 7M

UNIT-III

- 5. Explain the YARN in detail 14M

OR

- 6. a) Write a java program reading data from a Hadoop URL. 7M
- b) Define DataNode and How does Name Node tackle DataNode failures? 7M

UNIT-IV

- 7. a) List and explain the dfsadmin commands. 7M
- b) How Do Metrics Differ from Counters? Explain 7M

OR

- 8. Explain hadoop cluster setup and installation process. 14M

UNIT-V

- 9. List and explain the various file formats supported by HIVE 14M

OR

- 10. a) Explain about Pig Latin Expressions. 7M
- b) Explain different types of functions in Pig Latin. 7M
