

Printed Pages - 2

NMCAE - 44

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2012307

Roll No.

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MCA

Regular Theory Examination (Odd Sem-V), 2016-17

BIG DATA

Time : 3 Hours

Max. Marks : 100

SECTION - A

1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (10×2=20)
 - a) What is Bigdata? Why do you need to analyze big data?
 - b) Write down any four industry examples for Big Data
 - c) Compare and Contrast No SQL Relational Databases.
 - d) Write down the disadvantages of aggregate Oriented Database, How to overcome that?
 - e) Define Data Locality Optimization,
 - f) State the purpose of Hadoop pipes
 - g) What is map reduce?
 - h) List down the entities of YARN.
 - i) How Cassandra integrated with Hadoop?
 - j) List down the tools related with Hadoop.

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NMCAE - 44**SECTION - B**

Note: Attempt any 5 questions from this section(5×10=50)

2. Discuss about the three dimensions of Big data.
3. Explain Master slave and peer-peer replication in detail.
4. Describe about graph database and schemaless databases
5. Discuss the design of Hadoop Distributed File System(HDFS) and concept in detail
6. Show on how a client read and write data in HDFS, Give an example code.
7. Explain briefly about Input format and Output format in Detail.
8. Write in detail about Hbase data model and pig data model in detail.
9. Discuss the queries involved in Hive data definition .

SECTION - C

Note: Attempt any 2 questions from this section(2×15=30)

10. Explain Crowd sourcing analytics and inter and trans firewall analytics.
11. How does Hadoop system analyse data. Explain in your answer with an example code.
12. Discuss different types and formats of Map Reduce with examples.

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