

Code No: 824AM

R15**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, August - 2017****BIG DATA ANALYTICS****Time: 3hrs****Max.Marks:75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A**5 × 5 Marks = 25**

- 1.a) What is big data analytics? What is not big data analytics? [5]
- b) What are data visualization tools? Explain. [5]
- c) Explain about the org.apache.hadoop.io package. [5]
- d) Write about history of Hadoop. [5]
- e) Define mobile analytics. [5]

PART - B**5 × 10 Marks = 50**

- 2.a) Describe evolution of big data.
 - b) What are open source analytical tools? Explain. [5+5]
- OR**
- 3.a) What is big data? Explain its elements.
 - b) Explain about greatest challenges that prevent business from capitalizing big data. What are top challenges facing big data? [5+5]
- 4.a) What are various types of analytics? Explain.
 - b) Give a comparison of various analytical tools. [5+5]
- OR**
- 5.a) Explain about developing an analytic team.
 - b) What are analytical approaches? Explain. [5+5]
- 6.a) Explain about working of MapReduce.
 - b) Discuss about HDFS high availability. [5+5]
- OR**
- 7.a) Explain about Map and Reduce functions.
 - b) Describe combining HDFS and HBase. [5+5]
- 8.a) What are distributed computing challenges? Explain.
 - b) Why Hadoop? Why not RDBMS? [5+5]
- OR**
- 9.a) Explain about processing data with Hadoop.
 - b) Discuss in detail about HDFS daemons. [5+5]
10. Explain the following:
a) Understanding text mining Process b) Types of applications for mobile analytics.[5+5]
- OR**
11. Explain the following:
a) Online social media analysis b) Real-time analytics tools [5+5]

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