

Code No: 824AM

**R15****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA V Semester Examinations, April/May - 2019****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) Differentiate between distributed computing and parallel computing. [5]
- b) Give an account on any two data analytical tools. [5]
- c) Justify HDFS's "high availability" property. [5]
- d) compare RDBMS and Hadoop. [5]
- e) List the types of applications for mobile analytics. [5]

**PART - B****5 × 10 Marks = 50**

2. Elaborate on open source analytics tools. [10]
- OR**
3. Write short notes on: a) structuring big data b) 5V's of big data [5+5]
4. Describe types of big data analytics with example. [10]
- OR**
- 5.a) Explain the challenges of analytical tools
- b) How to develop an analytical team? Discuss briefly. [5+5]
6. Explain HDFS Architecture with a neat diagram. [10]
- OR**
7. Explain the following:
  - a) Storing Big Data with HBase.
  - b) Combining Hbase and HDFS. [5+5]
8. How NoSQL is used for big data processing and analytics? [10]
- OR**
- 9.a) What are HDFS Daemons?
- b) List and explain the role of YARN in big data analytics. [5+5]
10. With an example explain sentiment analysis in social media. [10]
- OR**
11. What do you know about opinion mining and text mining? Give a case study to explain the same. [10]

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