

R17

Code No: 5458AW

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech II Semester Examinations, June/July - 2019

**BIG DATA ANALYTICS**  
(Computer Science and Engineering)

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) List and explain any 5 top challenges for Big Data analytics. [5]  
b) Differentiate reporting and analysis. [5]  
c) How do you combine HBase and HDFS? [5]  
d) Explain distributed computing challenges for big data. [5]  
e) Name the types of applications for mobile analytics. [5]

**PART - B**

5 × 10 Marks = 50

2. a) What is BASE? [5+5]  
b) Write about classification of analytics. [5+5]  
3. Give an account on open source analytics tools. [10]  
4. Compare and contrast various analytical tools. [10]  
OR  
5. a) Discuss the data preprocessing stages for analysis. [5+5]  
b) Discuss about developing analytic team. [5+5]  
6. Describe HDFS architecture. [10]  
OR  
7. Explain about: [5+5]  
a) HDFS file system b) uses of MapReduce  
8. Elucidate HDLC and its usage in big data analytics. [10]  
OR  
9. Write short notes on: [5+5]  
a) use case of Hadoop b) Hadoop distributors  
10. Explain social media analytics. [10]  
OR  
11. Write short notes on: [5+5]  
a) Sentiment analysis b) opinion mining