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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)

**B.Tech III Year I Semester Supplementary Examinations Feb-2021**

**BIGDATA**

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

**UNIT-I**

- 1 a What are the Top Challenges Facing Big Data? 6M  
 b What Big Data Analytics Isn't, Why this sudden Hype Around Big Data Analytics? 6M

**OR**

- 2 a What is big data? Give brief history of data management? 6M  
 b Explain about Data Science and Data Scientist? 6M

**UNIT-II**

- 3 a List and explain the important features of Hadoop? 8M  
 b With a neat sketch explain the structure of google file system. 4M

**OR**

- 4 a With the help of a JAVA code explain Generic methods and Generic classes. 7M  
 b How to Compare Various Analytical Tools? With example? 5M

**UNIT-III**

- 5 a Define HDFS? Explain in brief about the basic building blocks of Hadoop? 6M  
 b What is Map Reduce? Write a map reduce program for weather? 6M

**OR**

- 6 a Discuss in detail about Hadoop Distributed File System (HDFS). 5M  
 b Explain Google File System architecture with neat diagram. 7M

**UNIT-IV**

- 7 a Explain Use Case of Hadoop with examples? 6M  
 b Explain the Managing Resources and Applications with Hadoop YARN.? 6M

**OR**

- 8 a What is NoSQL and Hadoop? Give with neat? 6M  
 b Explain History of Hadoop and Hadoop Overview? 6M

**UNIT-V**

- 9 Define the mobile analytics and web analytics with neat diagram? 12M

**OR**

- 10 Explain about social media analytic and text mining? 12M

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