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

**B.Tech III Year I Semester Supplementary Examinations November-2020**

**BIG DATA**

(Computer Science & Engineering)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

- 1 a Write about challenges with Big Data. 6M  
b Write about Data Science. 6M

**OR**

- 2 a Explain about 5v's. 6M  
b What is Big Data Analytics? 6M

**UNIT-II**

- 3 a Compare Reporting and Analysis with its process. 6M  
b Distinguish statistical significance and business importance. 6M

**OR**

- 4 a How analytical tools have evolved from graphical user interfaces to point solutions to data visualization tools? 8M  
b Explain in detail the following i) SAS ii) Compare various analytical tools. 4M

**UNIT-III**

- 5 a Describe the working of Map reduce with a relevant example. 6M  
b Write a short note on the Hadoop ecosystem and HDFS architecture. 6M

**OR**

- 6 a Discuss the points to be considered while designing a file system in mapreduce. 6M  
b What is Meta data? What information does it provide and explain the role of Namenode in a HDFS clusters? 6M

**UNIT-IV**

- 7 a What is NoSQL? What are the advantages of NoSQL? And Explain types of NoSQL Databases. 6M  
b Differentiate between SQL vs NoSQL. 6M

**OR**

- 8 a With neat sketch explain processing data with Hadoop. 6M  
b List and Explain HDLC commands. 6M

**UNIT-V**

- 9 a Describe the steps to perform text mining. 6M  
b List some common online tools used to perform sentiment analysis. 6M

**OR**

- 10 a Discuss some application areas of mobile analytics. 6M  
b Discuss the necessity of keeping data secure while conducting analytics. 6M

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