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

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

**BIG DATA**

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

- 1 a Classification of Digital Data. Explain? 6M  
b Explain about classification of Analytics? 6M

**OR**

- 2 a Explain the concept of Basically Available soft state Eventual consistency. 6M  
b Explain the difference between parallel and distributed system. 6M

**UNIT-II**

- 3 a How to develop an analytical team and what is the skill required for an analyst? 6M  
b What are the roles of analytical team and IT team with a detailed note on text analysis? 6M

**OR**

- 4 a Discuss in detail the history of analytical tools. 6M  
b Give a detailed note on features and limitations of R programming and IBM SPSS. 6M

**UNIT-III**

- 5 a Describe the working of Map reduce with a relevant example. 6M  
b Discuss the points to be considered while designing a file system in map reduces. 6M

**OR**

- 6 a What is Meta data? What information does it provide and explain the role of Name node in a HDFS clusters? 6M  
b What is HBASE? Give detailed note on features of HBASE. 6M

**UNIT-IV**

- 7 a Differentiate between SQL vs NoSQL. 6M  
b With neat sketch explain processing data with Hadoop. 6M

**OR**

- 8 a What is NoSQL? What are the advantages of NoSQL? And Explain types of NoSQL Databases. 6M  
b Explain in detail interacting with Hadoop Ecosystem. 6M

**UNIT-V**

- 9 a Describe the steps to perform text mining. 6M  
b Discuss the necessity of keeping data secure while conducting analytics. 6M

**OR**

- 10 a List some common online tools used to perform sentiment analysis. 6M  
b Briefly explain some popular mobile analytics tools available in the market. 6M

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