

SREENIVASA INSTITUTE OF TECHNOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)
Murukambattu, Chittoor

MCA DEPARTMENT



QUESTION BANK

For

20MCA213 -Big Data Analytics

Regulation – 2020

Academic Year 2020 – 21

Prepared by

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SUBJECT NAME :Big Data Analytics

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YEAR &SEM : II & I

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UNIT I - Understanding Big Data		
Datasets, Data Analysis, Data Analytics-Descriptive Analysis, Diagnostics Analytics, Predictive Analytics, Prescriptive Analytics, Big Data Characteristics – volume, velocity, variety, veracity, value, Different Types of Data – Structured Data, Unstructured Data, Semi-Structured Data		
PART -A		
Q.No.	Questions	Blooms Taxonomy Level
1.	Define Dataset	Understanding
2.	Distinguish between Data Analysis and Data Analytics	Analyzing
3.	Mention Different types of Data Analytics	Remembering
4.	Explain Descriptive Analytics with an example	Understanding
5.	Distinguish between Predictive and Prescriptive Analytics	Analyzing
6.	Define Big Data	Understanding
7.	List out the Big Data Characteristics	Remembering
8.	Mention different types of Data	Remembering
9.	Mention some of Big Data Examples	Remembering
PART -B		
1.	Explain Different types of Data Analytics with examples	Understanding
2.	What is BigData and Discuss different characteristics of Big Data	Understanding
3.	Illustrate different types of Data	Applying
4.	Differentiate Descriptive and Diagnostics analytics with example	Analyzing
5.	Differentiate Structured, unstructured and semi structured data in detail	Analyzing
6.	Explain Dataset, Data Analysis and Data analytics in detail	Understanding
UNIT II - Hadoop Basics		
Brief history of hadoop, Apache hadoop and the hadoop ecosystem. A weather dataset, analyzing the data with unix tools, analyzing the data with hadoop , Understanding different Hadoop modes, understanding Hadoop Features-Understanding HDFS, Understanding MapReduce, Learning the HDFS and Mapreduce Architecture-Understanding the HDFS architecture, Understanding the MapReduce Architecture, Understanding the HDFS and MapReduce architecture by plot.		
PART -A		
1.	What is Hadoop	Understanding
2.	List out various Hadoop ecosystem	Remembering
3.	Mention different Hadoop Modes	Remembering
4.	List out the Hadoop Features	Remembering
5.	Mention two important components of Hadoop	Remembering
6.	What is HDFS	Understanding
7.	What is MapReduce	Understanding
PART -B		
1.	Write about Brief history of Hadoop	Understanding
2.	Explain Apache Hadoop and the Hadoop Ecosystem	Understanding



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3.	List and explain various Features of Hadoop	Remembering
4.	Differentiate how to analyze the weather dataset in unix and hadoop	Analyzing
5.	Explain HDFS and Map Reduce in detail	Understanding
6.	Write about HDFS and Map Reduce Architecture	Understanding
7.	Write about Hadoop History and different Hadoop Modes	Understanding
UNIT III - Writing Hadoop MapReduce Programs		
understanding the basics of MapReduce, Introducing Hadoop MapReduce-Listing Hadoop MapReduce entities, Understanding the Hadoop MapReduce scenario, Understanding the limitations of MapReduce, Writing a Hadoop MapReduce example-Understanding the steps to run a MapReduce job.		
PART – A		
1.	What is Map Reduce	Understanding
2.	Mention Hadoop Map Reduce Entities	Remembering
3.	List out the Map Reduce Limitations	Remembering
4.	List out the steps to run a Map Reduce job	Remembering
5.	Mention major components of Map Reduce	Remembering
6.	Mention various steps in Hadoop MapReduce Scenario	Remembering
7.	List out the companies that use Map Reduce	Remembering
8.	Write about Map Reduce Objects	Understanding
PART –B		
1.	Understand the basics of Map Reduce	Understanding
2.	Explain Hadoop Map Reduce Scenario in detail	Understanding
3.	Explain the steps to run the MapReduce Job	Understanding
4.	Write about the Hadoop Map Reduce Data Processing stages in detail	Understanding
5.	Discuss the Map Reduce Example in detail	Applying
6.	Describe one of the major Component of Hadoop called Map Reduce in detail	Understanding