•	bject Code: 3170722 Date:20-0					
•	ject Name: Big Data Analytics e:02:30 PM TO 05:00 PM Total N					
	structions:					
1. 2.	Attempt all questions.					
2. 3.						
4.	Simple and non-programmable scientific calculators are allowed.					
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Q.1	(a)	Give difference between traditional data and big data.	03			
	(b)	What is Big data Analytics? Explain any one case study of it. Explain $4 V_{2}^{2}$ of Dig data	04 07			
	(c)	Explain 4 V's of Big data.	07			
Q.2	(a)	List various configuration files used in Hadoop Installation	03			
C	(b)	How HDFS is different from traditional NFS?	04			
	(c)	What is Hadoop? Briefly explain the core components of it. OR	07			
	(c)	What is MapReduce? Explain working of various phases of MapReduce with appropriate example and diagram.	07			
Q.3	(a)	Discuss role of Data node and Name node in HDFS.	03			
	(b)	Explain features and advantages of NoSQL.	04			
	(c)	What is data stream mining? Explain stream data model and its	07			
		architecture in detail.				
0.2	(a)	OR What do you meen by ich scheduling in Undoor? List different	03			
Q.3	(a)	What do you mean by job scheduling in Hadoop? List different schedulers in Hadoop.	03			
	(b)	What is NoSQL database? List the differences between NoSQL and relational databases.	04			
	(c)	Explain Counting oneness in a Window and Decaying Window of mining data stream in detail.	07			
Q.4	(a)	Explain the Data Model of HBase.	03			
	(b)	How HBase uses Zookeeper to Build Applications? Explain in	04			
		detail.				
	(c)	Explain Pig data Model in detail and Discuss how it will help for	07			
		effective data flow. OR				
Q.4	(a)	Explain the HiveQL-Select-Order By with suitable example.	03			
V .1	(b)	Compare Hive and Pig query language.	03			
	(c)	Explain briefly on Hbase architecture with neat diagram.	07			
Q.5	(a)	Justify spark is faster than mapReduce.	03			
2	(b)	Define various Actions in Spark.	04			
	(c)	Generalize how is data analysis used in	07			
		a) Stock market predictions.				

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		OR	
Q.5	(a)	What are the components of spark? Also state the features of	03
		spark.	
	(b)	What does a Spark Engine do? What is GraphX?	04
	(c)	What is RDD? State and Explain RDD operations.	07
