



MODEL QUESTION PAPER					
Subject : Big Data And Analytics			Semester: 7		
Subject Code : 21CS71/ 21CD744			Branch: CSE/CSD		
NOTE:				Max Marks:100	
1. Answer one FULL question from each part. 2. Assume missing data suitably					
<u>Module-1</u>			M	R	C
Q.1	a. Discuss the Evaluation of Big Data.		06	L2	CO1
	b. Explain the characteristics of Big Data.		04	L2	CO1
	c. With a neat block diagram, Explain Data Architecture Design.		10	L2	CO1
OR					
Q.2	a. Write notes on Analytics Scalability to Big Data and Massive parallel processing platforms.		12	L1	CO1
	b. Highlight Big data Analytics Applications with one case study.		08	L1	CO1
<u>Module-2</u>					
Q.3	a. What are the core components of Hadoop? Explain in brief it's each of its components.		10	L1	CO2
	b. Explain Hadoop distributed file system.		10	L2	CO2
OR					
Q.4	a. Define MapReduce frame work and its functions.		06	L1	CO2
	b. write down the steps on the request to MapReduce and the types of process in MapReduce.		10	L1	CO2
	c. Write a short note on Flume Hadoop tool.		04	L1	CO2
<u>Module-3</u>					
Q.5	a. Discuss the characteristics of NoSQL Data store along with the features in NoSQL transactions.		08	L1	CO3
	b. With neat diagrams explain the following for shared -Nothing Architecture for Big Data task, (i) Single server model. (ii) Sharding very large Data Bases. (iii) Master slave distribution model. (iv) Peer-to-Peer distribution model		12	L2	CO3
OR					
Q.6	a. Define key-value store with examples. What are the advantages of key-value store?		10	L1	CO3
	b. Write down the steps to provide client to read and write values using key-value store. What are the typical uses of key value store?		10	L1	CO3
<u>Module-4</u>					



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Q.7	a. With a neat diagram, explain the process in MapReduce when client submitting a job.	10	L2	CO4
	b. Explain Hive Integration and work flow steps involved with a diagram.	10	L2	CO4
OR				
Q.8	a. Using HiveQL for the following: (i) Create a table with partition. (ii) Add, remain and drop a partition to a table.	10	L2	CO4
	b. What is PIG in Big Data? Explain the features of PIG.	10	L2	CO4
Module-5				
Q.9	a. In Machine Learning explain linear and non-linear relationship with essential graphs.	10	L2	CO5
	b. Write the block diagram of text mining process and explain its phases.	10	L3	CO5
OR				
Q.10	a. Define multiple regressions .Write down the examples involved in the forecasting and optimization in regression.	10	L1	CO5
	b. Explain the parameters in social graphs network topological analysis using centralities and Page Rank.	10	L2	CO5