

	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE		
	Winter Examination – 2022		
	Course: B. Tech.	Branch: CSE	Semester: VII
	Subject Code & Name: BTCOE703 (C) (Big Data Analytics)		
	Max Marks: 60	Date:30/01/2023	Duration: 3 Hr.
	Instructions to the Students:		
	<ol style="list-style-type: none"> 1. All the questions are compulsory. 2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. 3. Use of non-programmable scientific calculators is allowed. 4. Assume suitable data wherever necessary and mention it clearly. 		
		(Level/CO)	Marks
Q. 1	Solve Any Two of the following.		12
A)	Enlist the characteristics of Big Data.	L2/CO1	6
B)	Mention various distribution packages of Big Data	L2/CO1	6
C)	Explain different applications of Bigdata in detail.	L2/CO1	6
Q.2	Solve Any Two of the following.		12
A)	Explain HBase in detail and compare it with traditional database system	L2/CO2	6
B)	Explain HDFS with respect to name node and data node.	L2/CO2	6
C)	Explain working of MapReduce by using the Word Count example.	L3/CO2	6
Q. 3	Solve Any One of the following.		12
A)	Give any three typical use cases of streaming data.	L2/CO2	6
B)	Describe in brief the Apache Kafka.	L2/CO2	6
C)	Explain Spark streaming in detail.	L3/CO2	6
Q.4	Solve Any Two of the following.		12
A)	Explain the role of Machine Learning techniques in Big Data processing	L2/CO4	6
B)	Discuss about different Mahout algorithms for Bigdata processing	L2/CO4	6
C)	What is Graph processing? Explain Giraph in detail.	L2/CO4	6
Q. 5	Solve Any One of the following.	L2/CO5	12
A)	Describe the key features of Mongo DB.	L2/CO5	6
B)	Write short note on Documents and Collections in Mongo DB.	L2/CO5	6
C)	Explain CRUD operations in Mongo DB with example.		6
	*** End ***		

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