

<b>DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE</b> <b>Winter Examination – 2022</b> <b>Course: B. Tech.                      Branch: CSE                      Semester: VII</b> <b>Subject Code &amp; Name: BTCOE703 (C) (Big Data Analytics)</b> <b>Max Marks: 60                      Date:30/01/2023                      Duration: 3 Hr.</b>			
<b>Instructions to the Students:</b> 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
<b>Q. 1</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
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
<b>Q.2</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
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
<b>Q. 3</b>	<b>Solve Any One of the following.</b>		<b>12</b>
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
<b>Q.4</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
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
<b>Q. 5</b>	<b>Solve Any One of the following.</b>	L2/CO5	<b>12</b>
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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