Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VII (NEW) EXAMINATION - WINTER 2022** 

Subj	ect (	Code:3170722 Date:20-0	01-2023
Subj	ect 1	Name:Big Data Analytics	
·		Iarks:70	
nstru	ction	ns:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3. 4.	Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	
	-1.	Simple and non-programmable selentine emediators are anowed.	MARKS
Q.1	(a)	What is Big data? Explain sources of big data.	03
Ų.1	(a) (b)		03
	(c)	- · · ·	07
	(-)	1	
Q.2	(a)	Explain usage of Map reduce.	03
	<b>(b)</b>	Explain methods of Map reduce of Mapper class.	04
	<b>(c)</b>	Write a short note on HDFS (Hadoop Distributed File System).	07
		OR	
	(c)	Define Social networks and Social Network Mining.	07
Q.3	(a)	Give difference between SQL and NoSQL.	03
<b>V.</b>	(b)		04
	(c)	Explain different types of NoSQL.	07
	. ,	OR	
<b>Q.3</b>	(a)	1 1	03
	<b>(b)</b>	· · · · · · · · · · · · · · · · · · ·	04
	( )	System).	05
	(c)	Explain filtering a stream in detail.	07
Q.4	(a)	What is Stock Market Prediction?	03
	<b>(b)</b>		04
	<b>(c)</b>	Discuss about How E-Commerce is Using Big Data to Improve Business	07
		in detail.	
0.4		OR	0.2
Q.4	(a)		03
	(b)	Give list of HBase Commands. What is a Zookeeper? What are the benefits of using a zookeeper?	04 07
	(c)	what is a Zookeeper? What are the benefits of using a zookeeper?	U/
Q.5	(a)	Why is big data analytics important?	03
	<b>(b)</b>	1	04
	<b>(c)</b>	Explain modules of Hadoop.	07
0.5		OR	0.2
Q.5	(a)	Explain advantages of Big Data Processing.	03
	(b)	Explain different challenges of Big Data.  Explain Spark Architecture.	04 07
	(c)	Explain Spark Architecture.	U/

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