

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) EXAMINATION - WINTER 2018

Subject Code: 21/160/ Date: 15		11/2018	
Subj	ect	Name: Big Data Analytics	
Time	e: 10	2:30 AM TO 01:00 PM Total Mark	ks: 70
Instru	ctio	ns:	
	1.	Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
0.1	(-)	Empleio standard and standard and sustanded data in terms of	02
Q.1	(a)	<u>.</u>	03
	(b)	big data analytics.	0.4
	(b)	S .	04
	(c)		07
		explain its components.	
Q.2	(a)	Differentiate SQL and NOSQL.	03
	(b)		03
	(c)		07
	(C)	operations in detail.	07
		OR	
	(c)		07
	()		
Q.3	(a)	How to create collection in MongoDB? Explain with its syntax.	03
	(b)	Write the use and syntax of following HDFS commands:	04
		i. put ii. expunge iii. chmod iv. get	
	(c)	What is RDD? Explain transformations and actions in RDD. Explain	07
		RDD operations in brief.	
		OR	
Q.3	(a)	Write down the differences between Apache Pig and MapReduce.	03
	(b)		04
	(c)	Justify: "SPARK is faster than MapReduce".	07
Q.4	(a)		03
	(b)	Explain the components of SPARK.	04
	(c)		07
		OR	0.0
Q.4	(a)	* <u> </u>	03
	(b)		04
	(c)	Discuss the applications of big data analytics in weather forecasting.	07
0.5	(a)	Evaloin honofits of Zoo Vooner	03
Q.5	(a)	<u>.</u>	03
	(b)	C	07
	(c)	· · · · · · · · · · · · · · · · · · ·	U/
		NoSQL databases in brief. OR	
Q.5	(a)		03
V.	(a) (b)	- · ·	03
	(0)	MongoDB?	UT
	(c)		07
	(•)	*****	0.