[10] Total No. of Pages: 2 [6003]-711 T.E. (I.T.) DATA SCIENCE AND BIG DATA ANALYTICS (2019 Pattern) (Semester-II) (314452) Time: 2½ Hours [Max. Marks: 70 Instructions to the candidates: [Max. Marks: 70 Instructions to the candidates: [Max. Marks: 70 Instructions to the right indicate full marks. [Max. Marks: 70 Instructions to the right indicate full marks. [Max. Marks: 70 Instructions to the candidates: [Max. Marks: 70 [Max. Marks: 70 Instructions to the candidates: [Max. Marks: 70 Instructions to the candidates: [Max. Marks: 70 Instruc	Total No	of Questions: 8]	AT No. :	
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		map reduce task with a suitable example?		[9]
compare them. [9]	b)	Describe the various types of NoSQL Databases v	with exa	mple and also
		compare them.		[9] 0
Q3) a) Explain Mean, Mode and variance and standard deviation with suitable	Q3) a)		deviation	
example. [9]		example.		[9]
b) Draw and explain Architecture of HIVE [8]	b)	Draw and explain Architecture of HIVE		[8]
OR OR		OR	-09	O,x
Q4) a) Explain Min-max scaling. For the following dataset carry out min-max	Q4) a)		set carry	
Scaling, X=24, 28, 53, 30, 40, 18, 15, 21 [9]		Scaling, X=24, 28, 53, 30, 40, 18, 15, 21	1000	[9]
b) What is data Wrangling? Why do you need it? explain data Wrangling	b)		xplain da	
methods? [8]		methods?	7	[8]
(05) a) Familia and 4 Tames of data size 1' (1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1	05)	Empleio and A Transactification is all actions of the control of t	1	ron.
Q5) a) Explain any 4 Types of data visualization with example. [9]		(O.	imple.	
b) Explain different data visualization tools. [9]	b)			[9]
OR OR		OR OR		
P.T.O.		Q.		<i>P.T.O.</i>

Q6) :	a)	Explain data visualization with the help of example? What are advantages of data visualization?	the [9]
1	b)	Explain Data Visulization with Tableau.	[9]
Q 7) :	a)	Explain Big Data Analytics Challenges in brief.	[9]
1	b)	Explain types of Mobile Analytics.	[8]
		OR	
Q 8) :	a)	What is Porters valuation creation model? Explain porter's value chanalysis.	nain [9]
1	b)	What is social media analytic? Explain the process of social media canalytic.	lata [8]
[6003	3]-71	analytic, V. * * * * * * * * * * * * * * * * * * *	