Total No	o. of Questions : 8]	SEAT No. :				
P490		[Total	No. of Pages : 2			
	[6003] 711					
T.E. (I.T.)						
DATA SCIENCE AND BIG DATA ANALYTICS						
(2019 Pattern) (Semester-II) (314452)						
	ons to the candidates:	[.	Max. Marks : 70			
1) Instructi	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.	.8.				
2)	Figures to the right indicate full marks.					
3)	Near diagrams must be drawn wherever necessary.					
<i>4</i>)	Assume suitable data, if necessary.	Sold:				
Q1) a)	Explain Google file system and its advantages	, ,	[10]			
b)	Explain Hadoop distributed file system		[8]			
	OR					
Q2) a)	Why map reduce is required in Hadoop? Exp	lain the stag				
	map reduce task with a suitable example?		[9]			
b)	Describe the various types of NoSQL Databa	ses with exa				
	compare them.		[9]			
0.2)		1.1	نين '			
Q3) a)	Explain Mean, Mode and variance and standa example.	ard deviation	with suitable [9]			
b)						
b)	Draw and explain Architecture of HIVE		[8]			
0.4)	OR	00'	6.			
Q4) a)	Explain Min-max scaling. For the following Scaling, X=24, 28, 53, 30, 40, 18, 15, 21	dataset carry	y out min-max [9]			
b)	What is data Wrangling? Why do you need i	2 avoloin d				
U)	methods?	CAPIAIII U	[8]			
		2				
Q5) a)	Explain any 4 Types of data visualization with	example.	[9]			
b)	Explain different data visualization tools.	. <u> </u>	[9]			
OR So.						

P.T.O.

Q6)	a)	Explain data visualization with the help of example? V advantages of data visualization?	
	b)	Explain Data Visulization with Tableau.	[9] [9]
	U)	Explain Data Visunzation with tableau.	[2]
Q 7)	a)	Explain Big Data Analytics Challenges in brief.	[9]
21)		Explain types of Mobile Analytics.	
	b)		[8]
0.0\	`	OR	1 1
Q 8)	a)	What is Porters valuation creation model? Explain porter's analysis.	value chain [9]
	b)	What is social media analytic? Explain the process of social	
	0)	analytic.	[8]
	1		
			290
		What is social media analytic? Explain the process of social analytic.	
		6.	
		18.76.	
		9.7	
			, ,
		2 ×9.248.216.238	
[600	3]-7	2	