Total	l No. o	of Qu	estions: 8	SEAT No.:		
PA-1508				[Total	[Total No. of Pages : 2	
			[5926]-128			
			T.E. (Information Tech	U ,		
]	DA]	TA SCIENCE AND BIG DAT		ICS	
			(2019 Pattern) (Semester-I	I) (314452)		
	2 : 2½ uctio		the candidates!	[M	ax. Marks : 70	
	1)		wer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 o			
	<i>2)</i>		diagrams must be drawn wherever new	cessary.		
	<i>3) 4)</i>		ures to the right indicate full marks. ume suitable data, if necessary.			
	')	11000	(a.	: 20'		
Q1)	a)	i)	Explain Google File system and its a	dvantages.	[5]	
		ii)×	Explain ETL in Big data.	S.	[5]	
	1	2.		<i>'0</i> ;		
	b) 🖔	Exp	plain Hadoop distributed file system.	1.	[8]	
			QR	,		
<i>Q2</i>)	a)	i)	Write 5 Hadoop Shell commands.		[5]	
~ /	,	,		1 ' 11 1		
		ii)	Explain Role Job tracker and Task Tr	acker in Hadooj		
					[5]	
	b)	Exp	plain Map Reduce with proper diagran	n for word coun	t example. [8]	
			6.			
Q3)	a)	Exn	olain different types of Big Data Analys	sis techniques	\(\sigma^{\infty}[8]	
23)			Explain Different Data Transformation	-	X	
	b)	1)	1 (0)	1	[3]	
		ii)	What is dataset? Explain with pythor dataset used in Big data.	1 Syntax of 2 dif		
			dataset used III Dig data.	2 2	[6]	

OR

Q4) a)
i) Explain Mean, Mode and variance and standard deviation with suitable example.

ii) Explain Data Standardization.

[3]
b) Draw and explain Architecture of HIVE.

[6]

05)	`		F 41			
Q 5)	a)	i) How data visualization help Big data Analytics.ii) List the conventional Data visualization tools. Explain any Two.	[4]			
	b)	Explain data visualization with the help of example? What are				
	0)	advantages of data visualization?	[8]			
			f - 1			
		OR				
Q6)	a)	Explain any 4 Types of data visualization with example.	[8]			
	b)	i) Explain different data visualization tools.	[6]			
		ii) Explain Data Visualization with Tableau.	[4]			
Q7)	a)	Explain Text mining with example.	[8]			
	b)	Explain Big Data Analytics Challenges in brief.	[9]			
		OR				
		70·				
Q8)	a)	Explain four Big Data use cases.	[8]			
•	b)	Explain types of Mobile Analytics.	[9]			
		Explain Big Data Analytics Challenges in brief. OR Explain four Big Data use cases. Explain types of Mobile Analytics.				
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