PA-1508

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T.E. (Information Technology) DATA SCIENCE AND BIG DATA ANALYTICS (2019 Pattern) (Semester-II) (314452)

			(2019 Pattern) (Semester-II) (314452)		
	Time : 2½ Hours] [Max Instructions to the candidates:					
	1) 2) 3) 4)	Ans Nea Figi	swer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8. It diagrams must be drawn wherever necessary. It was to the right indicate full marks. It was suitable data, if necessary.			
Q1)	a)	i)	Explain Google File system and its advantages.	[5]		
		ii)	Explain ETL in Big data.	[5]		
	b)	Exp	plain Hadoop distributed file system.	[8]		
			OR			
Q2)	a)	i)	Write 5 Hadoop Shell commands.	[5]		
		ii)	Explain Role Job tracker and Task Tracker in Hado	oop Architecture. [5]		
	b)	Exp	plain Map Reduce with proper diagram for word cou	ınt example. [8]		
Q3)	a)	Exp	plain different types of Big Data Analysis techniques	. [8]		
	b)	i)	Explain Different Data Transformation techniques.	[3]		
		ii)	What is dataset? Explain with python syntax of 2 dataset used in Big data.	lifferent types of [6]		
			OR			
Q4)	a)	i)	Explain Mean, Mode and variance and standard suitable example.	l deviation with [8]		
		ii)	Explain Data Standardization.	[3]		
	b)	Dra	w and explain Architecture of HIVE.	[6]		

Q5)	a)	How data visualization help Big data Analytics.	
		ii) List the conventional Data visualization tools. Explain any Two). [6]
	b)	Explain data visualization with the help of example? What are	the
		advantages of data visualization?	[8]
		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]
Q 7)	a)	Explain Text mining with example.	[8]
	b)	Explain Big Data Analytics Challenges in brief.	[9]
		OR	
Q8)	a)	Explain four Big Data use cases.	[8]
_ /	b)	Explain types of Mobile Analytics.	[9]

