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18CS72

Seventh Semester B.E. Degree Examination, Feb./Mar.2022 **Big Data Analytics**

Tim	aet 2	3 hrs. Max. Marks: 100	
	N	ote: Answer any FTVE full questions, choosing ONE full question from each module.	
		Module-1	
1	a.	Discuss the Evolution of Big Data. (06 Marks)	
	Ъ.	Explain the characteristics of Big Data. (04 Marto)	
	C.	With a neat block diagram, explain Data Architecture Design. (10 Marks)	
		OR	
2	a.	Write notes on Analytics Scalability to Big Data and Massive Parallel Processing Platforms. (12 Marks)	
	Ь	Highlight Big Data Analytics applications with one case study. (98 Marks)	
		Module-2	
3	100	What are the core components of Hadoop? Explain in brief its each of its components.	
100	100	(10 Marks)	
	b.	Explain Hadoop Distributed File System. (10 Marks)	
		OR	
4	B. 1	Define MapReduce Frame work and its functions. (06 Marks)	
	lb.	Write down the steps on the request to MapReduce and the types of process in MapReduce.	
		(10 Marks)	
	e.	Write short notes on Flume Hadoop Tool. (04 Marks)	
		Module-3	
5	26.	Discuss the characteristics of NoSOL data store along with the features in NoSOL	
		transactions. (08 Marks)	
	b.	With neat diagrams, explain the following for shared-Nothing Architecture for Big Data Tasks.	
		(i) Single Server model	
		(ii) Sharding very large databases	
		(iii) Masser Slave distribution model.	
		(iv) Peer-to-Peer distribution model. (12 Marks)	
		(11) The second	
		OR	
6	20.	Define key-value store with example. What are the advantages of key-value store? (10 Marks)	
b.		Write down the steps to provide client to read and write values using key-value store. What	
		are the typical uses of key value store? (10 Marks)	
		Module-4	
7	- a.	With a neat diagram, explain the process in MapReduce when client submitting a Job.	
		(10 Marks)	

- diagram, explain the process in MapReduce when client submitting a Job. (10 Marks) b. Explain Hive Integration and work flow steps involved with a diagram. (10 Marks)

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Jiyuan Zhang

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