CBCS SCHEME

Eighth Semester B.E. Degree Examination, July/August 2021 Big Data Analytics

Max. Marks: 100

17CS82

		Note: Answer any FIVE full questions.	
			(10 3/
1	a.	What is HDFS? Explain its components with a neat diagram.	(10 Marks)
77	b.	Explain HDFS safemode and rack awareness, with neat diagram.	(10 Marks)
			functional
2	a.	What is MapReduce Program? Explain MapReduce parallel data flow, with near	(10 Marks)
×		1's a manual	(IU Maiks)
9	b.	What is Nano node federation? Explain NaneNode high availability design with d	(10 Marks)
	19		(10 Marks)
		I Franch methods with neat diagram	(10 Marks)
3	a.	Explain Apache Sqoop Import and Export methods, with neat diagram. How do you run MapReduce and message passing interface on Yarn architecture.	
14	b.	How do you run MapReduce and message passing interface on Turn distinctions	
		Explain with a neat diagram, the Apache Oozie work flow for Hadoop architecture	·e.
4	a.	Explain with a neat diagram, the Apache Gozie work now 201 12 and 17	(10 Marks)
	h	What is YARN? Explain Yarn application frame work.	(10 Marks)
	b.		
5	a.	What is Business Intelligence? List the different BI applications and explain in	n detail any
. 3	a.	Complications	(IU Maiks)
, ·	b.	Draw and explain flow of BIDM cycle. Explain the Strategic and Operational dec	cisions.
	0.	Dian and off	(10 Marks)
			(10 Marks)
6	a.	Explain CRISP DM cycle, with neat diagram.	(10 Marks)
	b.	Define Data warehouse and illustrate design considerations for data warehouse.	(10 1/141 145)
. The second		The state of the s	
7	a.	- ~ 1 III	(10 Marks)
100	0.00	i) Support ii) Confidence iii) Lift. What is Unsupervised Machine Learning concept? Explain K – Means clustering	techniques,
	b.	What is Unsupervised Machine Learning concept: Explain is 11	(10 Marks)
		with suitable example.	
		Write and explain Apriori Algorithm with example.	(10 Marks)
8	a.	List and explain the steps for developing an ANN (Artificial Neural Network).	(10 Marks)
	b.	List and explain the steps for developing and the step for develop	
0		Discuss the application and practical consideration of Social network Analysis.	(10 Marks)
9		CIVI 1 I ac oppropriate TIOW (HAUTAIIIS II) ICUICOCIII	the same.
	b.	Explain the 5 types of 11 to 11 to 1	(10 Marks)
			(10 N#1\
1	0 a.	Explain the Text Mining process and the architecture.	(10 Marks)
	b	- i a 1 : 4 DA- Mining Compare text mining and data illilling.	(10 Marks)

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.