CBCS SCHEM

15CS82 **USN** Eighth Semester B.E. Degree Examination, Dec.2023/Jan.2024 **Big Data Analytics**

Time: 3 hrs.		. Marks: 80	
Note: Answer any FIVE full questions, choosing ONE full question from each module.			
		Module-1	
1	a.	What are the various systems roles in an HDFS development? Explain with a	neat diagram.
			(08 Marks)
	b.	Explain with a neat diagram HDFS Block replication.	(08 Marks)
		OR	(00 Mayles)
2	a.	Write the code for simple mapper script and simple reducer script.	(08 Marks)
	b.	With a neat diagram explain Apache Hadoop parallel mapReduce data flow.	(08 Marks)
Module-2			
3	a.	Explain the structure of Yarn Application.	(08 Marks)
J	b.	With a neat diagram, explain Yarn Application Framework.	(08 Marks
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		OR	
4	a.	Explain Apache Squoop Import and Export method.	(08 Marks)
	b.	Explain Apache Ambasi service view of a Hadoop Cluster.	(08 Marks)
		Module-3	
_	_	Write any four Business Intelligence Application for various sectors.	(08 Marks)
5	a. L	Explain the star schema design of Data Warehousing with an example.	(06 Marks)
	b.	What is Confusion Matrix?	(02 Marks)
	c.	What is Confusion Wattix.	
		OR	
6	a.	Explain CRISP-DM cycle with a neat diagram.	(08 Marks)
	b. What do you understand by the term Data Visualization? How is it important in Big da		
		Analytics?	(05 Marks)
	c.	Differentiate between Data Mining and Data Warehousing.	(03 Marks)
		Module-4	
-		Describe the advantages and disadvantages of using Regression Models.	(08 Marks)
7	a. L	Explain Decision tree and write the algorithm to construct decision tree.	(08 Marks
	υ.	Explain Decision are and write the argonium to construct access are	
		OR	
8	a.	Explain design principles of Artificial Neural Network.	(08 Marks)
	b.	Explain Regression. List key steps of Regression.	(04 Marks)
	c.	Explain Apriori Algorithms.	(04 Marks
Module-5			
Λ		*	(08 Marks)
9	a.	Explain with a neat diagram text mining process. What are the advantages and disadvantages of Naïve-Baye's algorithm?	(04 Marks)
	b.	What are the advantages and disadvantages of Narve-Daye's argorium.	(04 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.

10

OR. Explain with a neat diagram web usage mining architecture. (08 Marks) b. List and explain the applications of social network analysis. (08 Marks)

(04 Marks)

Explain with a neat diagram SVM model.