CBCS SCHEME

USN | | | | | | | | | | |

15CS82

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

Time: 3 hrs. Max. Marks: 80

Note: ***Answer any FIVE full questions.***

1 a. What do you understand by HDFS? Explain its components with neat diagram. **(08 Marks)**
b. Explain any eight user HDFS commands. **(08 Marks)**

2 a. Explain HDFS NAME NODE Federation , NFS Gateway , Check point and Backups , HDFS Snapshots. **(08 Marks)**
b. With a neat diagram, explain Apache Hadoop parallel Map Reduce data flow. **(08 Marks)**

3 a. Explain the structure of Yarn Application. **(08 Marks)**
b. With a neat diagram, explain Yarn Application Framework. **(08 Marks)**

4 a. Explain Apache Squoop Import and Export method. **(08 Marks)**
b. Explain Apache Ambasi service view of a Hadoop Cluster. **(08 Marks)**

5 a. Briefly explain Business Intelligence. Explain Business Intelligence Data Mining Cycle with diagram. **(08 Marks)**
b. Write any four Business Intelligence Application for various sectors. **(08 Marks)**

6 a. Explain important Data Mining Techniques. **(08 Marks)**
b. What do you understand by Data Visualization? List and describe the various charts used for data visualization. **(08 Marks)**

7 a. Describe the advantages and disadvantages of using Regression Models. **(08 Marks)**
b. Explain Decision tree and write the algorithm to construct decision tree. **(08 Marks)**

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)**

9 a. Explain briefly types of Web Mining Techniques. **(08 Marks)**
b. Explain different Text Mining Application. **(08 Marks)**

10 a. Discuss the application and practical consideration of Social Network Analysis. **(08 Marks)**
b. What is Support Vector Machine? Explain its model. **(08 Marks)**

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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.

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