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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**

(For Candidates admitted from 2019-2020 onwards)



PG DEGREE EXAMINATIONS - APRIL 2021

M.SC., - COMPUTER SCIENCE

BIG DATA ANALYTICS

Time: 3 Hrs

Max.Marks: 75

PART - A

CHOOSE THE CORRECT ANSWER

(10X1=10)

1. The problem of finding textually similar documents technique known as _____
 a) Singling b) Classifying c) Clustering d) Machine learning
2. _____ is the data which conforms to a data model, has a well define structure, follows a consistent order and can be easily accessed and used by a person or a computer program.
 a) Structured data b) Database c) RDBMS d) Table
3. _____ is the process of examining text that was written by, or about, customers.
 a) Data Mining b) Text Mining c) Text Analytics d) Structured data
4. _____ is used to extract information from unstructured data.
 a) Natural Language Processing b) Text Mining
 c) Big Data d) Text Analytics
5. _____ refers to the biases, noise and abnormality in data.
 a) Validity b) Veracity c) Volatility d) Unstructured data
6. _____ analytics gives in-depth insights into a particular problem.
 a) Descriptive b) Predictive c) Diagnostic d) Prescriptive
7. _____ are central repositories of integrated *data* from one or more disparate sources.
 a) Data Mining b) Text Mining c) Big data d) Data warehouse
8. _____ enables customers for big data processing without large-scale big data resources.
 a) Cloud b) Data Mining c) Text Mining d) Data warehouse
9. _____ is a programming model for processing large data sets with a parallel, distributed algorithm on a cluster.
 a) Hadoop b) MapReduce c) Text Mining d) Big data
10. _____ merges the files from each map task that are destined for a particular reduce task.
 a) Master controller b) MapReducer c) HBase d) Hive

PART - B

ANSWER ALL THE QUESTIONS

(5X7=35)

11. a) Substantiate the successful building of Big Data Management Architecture.

(OR)

b) Briefly discuss the characteristics of Big Data Frame work

12. a) Write a short notes on HADOOP.

(OR)

b) Explain the analysis and extraction techniques of Big data.

13. a) Discuss the challenges involved in Data Governance.

(OR)

b) Explain about "Business Intelligence".

14. a) Elaborate the future of Data Warehouse.

(OR)

b) Briefly discuss the Cloud in the context of Big Data.

15. a) Substantiate the resource managing and applications with Hadoop.

(OR)

b) Explain how to optimize MapReduce Tasks.

PART - C

ANSWER ANY THREE QUESTIONS

(3X10=30)

16. Elaborate the Security Infrastructure in Big Data.

17. Illustrate the customized approaches for analysis of Big data.

18. Substantiate the workflows of Big Data workload in the context to business problem.

19. Explain in detail how to deploy Cloud and Delivery models.

20. Explain in detail about Map tasks in Map Reduce.
