LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

THIRD SEMESTER – **NOVEMBER 2022**

PCS 3501 – BIG DATA ANALYTICS

Date: 23-11-2022   Dept. No.   Max. : 100 Marks
Time: 09:00 AM - 12:00 NOON

PART – A   **(10x 2 = 20 Marks)**

Q. No   **Answer ALL the Questions**

1 Mention the two important problems in Bigdata.
2 Write the data types of Big data.
3 What is streaming?
4 What is prediction error?
5 Write the two important concept of Hadoop administration.
6 What is job scheduling?
7 What is Hadoop administration?
8 What is Hadoop cluster?
9 What is Pig and Hive?
10 Write any two applications of Bigdata.

PART – B   **(5 x 8 = 40 Marks)**

Answer ALL the Questions

11 (a) Write short notes on 4 V's of big data.

(Or)

(b) Write short notes on intelligent data analysis.

12 (a) Explain in detail about filtering streams.

(Or)

(b) Write short notes on sentiment Analysis and Prediction.

13 (a) Write short notes on analyzing the data with Hadoop.

(Or)

(b) Explain the Map Reduce with a neat diagram.

14 (a) Explain about Hadoop administration.

(Or)

(b) Explain about Hadoop benchmarks.

15 (a) Compare and write about Big and Hive. Write short notes visualization.

(Or)

(b) Write short notes interaction technique.

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PART – C   (2 x 20 = 40 Marks)

Answer any TWO Questions

16 (a) Explain in detail modern data analysis tools.   (10)

     (b) Explain in detail about Real time sentimental analysis.   (10)

17 (a) Explain in detail about HDFS with neat diagram.   (10)

    (b) Explain in detail Hadoop in the cloud   (10)

18 (a) Explain about fundamentals of Hbase and Zookeeper.   (10)

     (b) Discuss in detail about visualization data analysis.   (10)

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