

22/10/2024

(3Hours)

[Total Marks: 80]

N.B.: (1) Question No.1 is Compulsory.

(2) Attempt any three out of remaining five questions.

(3) Each Question carries 20 marks.

- Q1) Attempt any four questions. [20M]
- a) Write Comparison of Big data with Conventional Data ? [5M]
 - b) What are features of NOSQL? [5M]
 - c) What are Key Features of HBase? [5M]
 - d) What are benefits of Kafka ? [5M]
 - e) Explain Components of Spark? [5M]
- Q2) a) Explain Challenges of Big data? [10M]
- b) Write short note on “ HBASE ARCHITECTURE”. [10M]
- Q3) a) Explain Hadoop Ecosystem in detail ? [10M]
- b) Explain analysis of big data using shared nothing architecture? [10M]
- Q4) a) What are major features of Hadoop Distributed File System (HDFS) ? [10M]
- b) Explain Spark Paired RDD Operations in detail ? [10M]
- Q5) a) Explain Computing of Selection and Projection by Map Reduce in detail ? [10M]
- b) What is a data visualization dashboard? Explain its benefits ? [10M]
- Q6) Solve any two questions
- a) Explain Types of NoSQL databases/data stores in detail ? [10M]
 - b) Explain Architecture of HIVE in detail ? [10M]
 - c) What are Approaches to Big Data Visualization ? [10M]
