

MCA.V/01.21.004

Reg.No.

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|



MCA DEGREE FIFTH SEMESTER EXAMINATION, JANUARY 2021
16-381-0579 BIG DATA ANALYTICS
(Regular)

Time: 3 Hours

Maximum Marks: 50

(Answer ANY FIVE questions)
(All questions carry EQUAL marks)

1. What do you mean by the term “Big Data”? Explain its characteristics.
What are the different kinds of data available from the real world scenario? Give diagrams and examples wherever appropriate.
2. Discuss the use of Big Data in preventing fraudulent activities.
3. With a neat diagram, outline the Hadoop Ecosystem. Discuss its features.
What is the significance of Heart Beat Signals in the Hadoop multinode cluster Architecture?
4. “MapReduce supports parallel distribution of task and location independence.” How?
5. Give a detailed account of Spark Resilient Distributed Datasets (RDDs).
What is Lazy Evaluation? What is its significance?
6. Write notes on the following:
 - (i) Types of NoSQL databases
 - (ii) The HBase Architecture and the Role of HBase in Big Data processing .
7. Summarize the key aspects involved in building visualizations using Big Data.
