

**8058008**

M.C.A DEGREE EXAMINATION, MARCH 2022.

Second/ Third Semester

Computer Applications

Elective : BIG DATA

(2020-21 Regulations)

Time : Three hours

Maximum : 75 marks

Answer FIVE questions choosing ONE full

Question from each Unit

All questions carry equal marks.

UNIT I

1. (a) Compare and contrast the challenges of traditional storage system and conventional system. (8)
- (b) Tabulate the main characteristics of Big Data. (7)

Or

2. (a) Articulate the main features of a big data in detail. (7)
- (b) Focus the use of Big Data Analytics in Business with suitable real world example. (8)

## UNIT II

3. (a) Intervene Mobile business intelligence involved in big data analytics. (7)
- (b) Construct Crowd source analytics for big data technologies. (8)

Or

4. (a) Critique Inter and trans firewall analytics. (8)
- (b) Analyze the information management strategy in big data technologies. (7)

## UNIT III

5. Inter the following
  - (a) Mapper class. (5)
  - (b) Reducer class. (5)
  - (c) Scaling out. (5)

Or

6. (a) Debate the failures in Map reduce. (7)
- (b) Intervene the map reduce data flow with single reduce and multiple reduce. (8)

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## UNIT IV

7. (a) Indicate HDFS. Recommend HDFS in detail. (7)
- (b) Highlight the features of Hadoop and explain the explain the functionalities of Hadoop Cluster. (8)

Or

8. (a) Describe briefly about Hadoop input and output and write a note on data integrity. (8)
- (b) Generalize how the data flow takes places in map Reduce framework. (7)

## UNIT V

9. Paraphrase the implementation of big data analytics in real time analytics. (15)

Or

10. (a) Invent the implementation of big data analytics in real time analytics. (7)
- (b) Persuade business maturity model in big data analytics. (8)

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