



CBCS SCHEME

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20MCA352

Third Semester MCA Degree Examination, Feb./Mar. 2022

Big Data Analytics

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Define Big Data. (02 Marks)
- b. Explain different characteristics of Big data Analytics. (10 Marks)
- c. Write a note on missing values. (08 Marks)

OR

- 2 a. Discuss different types of data sources of big data analytics. (10 Marks)
- b. Discuss the applications of big data analytics. (10 Marks)

Module-2

- 3 a. Briefly explain mobile intelligence and big data. (10 Marks)
- b. Write a note on cloud and big data. (10 Marks)

OR

- 4 a. Explain working together of HDFS and map reduce. (10 Marks)
- b. Define crowd sourcing. Explain different types of crowd sourcing. (10 Marks)

Module-3

- 5 a. Compare between Big data, RDBMS and grid computing. (10 Marks)
- b. Write a note on: i) History of Hadoop ii) Volunteer computing. (10 Marks)

OR

- 6 a. Illustrate the disabilities of implementing storage and analysis support for big data. (10 Marks)
- b. Explain different Hadoop versions and releases. (10 Marks)

Module-4

- 7 a. Briefly explain the anatomy of file write. (10 Marks)
- b. Explain different HDFS concepts in detail. (10 Marks)

OR

- 8 a. Discuss different file system operations. (10 Marks)
- b. Define file system interface. Explain different file system interfaces. (10 Marks)

Module-5

- 9 a. What is MapReduce? Sketch the neat diagram and explain the logical data flow in MapReduce. (10 Marks)
- b. Write a short note on: i) MapReduce UI ii) Hadoop streaming. (10 Marks)

OR

- 10 a. Write a java MapReduce code to find maximum temperature from the weather data set. (10 Marks)
- b. Write a note on: i) Hadoop logs ii) Remote Debugging. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.