

Subject – Big Data Analytics

Complete the assignments in notebook on or before 25/03/2023 and assess it from respective subject teachers.

Assignment No 1

(UNIT – I)

1. Define Big Data? State and Explain “Four V’s” that characterize Big Data.
2. List the three contributing factors that drives the creation of Big Data and explain one of them in detail.
3. Explain different applications of Big Data.
4. Write a note on: Data Privacy Protection.
5. With neat diagram depict the Product Knowledge Hub in Big Data?
6. Write a short note on Location Based Services in Big Data?
7. Explain the architectural components of Big Data?
8. Explain the four components of a real-time Adaptive Analytics and Decision Engine with neat figure.
9. Explain Massively Parallel Processing (MPP) platforms.
10. Explain a scenario to create context- and micro-segment-based offers to consumers using consumer profiles from CSP and retail segments with neat figure of Intelligent Advisor.
11. Explain Unstructured Data Analytics and Reporting.

Assignment No 2

(UNIT – II)

1. Explain the features of R Language?
2. Explain the four main stages of Hadoop MapReduce data processing with neat figure.
3. What is HDFS? Explain the features of HDFS?
4. What is HDFS? Explain the components of HDFS architecture.
5. Explain the HDFS and MapReduce architecture.

6. List and Explain the popular components of Hadoop.
7. Explain in detail the stages of Hadoop MapReduce data processing.
8. Explain in detail the dataflow of MapReduce with diagram.
9. What is MapReduce? Explain the components of MapReduce architecture.
10. Explain the limitations of MapReduce.
11. Explain the data mining techniques which are used to perform data modeling in R.
12. Mention different Hadoop installation modes? Explain each of them.