UNIT I

1. Explain about roles and stages in data science project
2. Illustrate Data cleaning process
3. Demonstrate data Exploration process
4. Describe the facets of data.
5. Describe datamining
6. Outline the data warehouse
7. Illustrate Basic Statistical descriptions of Data

UNIT II

1. Descriptive statistics Inferential statistics
2. Population Sample
3. Random sampling Random assignment
4. Data Qualitative data
5. Ranked data Quantitative data
6. Level of measurement Nominal measurement
7. Ordinal measurement Interval/ratio measurement
8. Variable Constant
9. Discrete variable Continuous variable
10. Independent variable Approximate numbers
11. Experiment Dependent variable
12. Confounding variable Observational study

UNIT III

11. What is python? Explain about python libraies?

12. What is data Analysis? Why python is used for data analysis?

13. Explain in detail about arrays and its related concepts in python?

14. Discuss about input and output files in python?

15. Explain about storage and file formats in python?

16. Discuss in detail about Pandas in python with suitable example.

17. Explain string manipulation functions in python?

18. Discuss about combing and merging data sets in python?

19. Describe about plotting and visulization concepts in python?

20. Explain modeling libraries in python?

UNIT IV

11. Explaion about Big Data-Characteristics and applications?

12. Explain The building blocks of Hadoop?

13. Differences between implementation of programs in Hadoop and Spark Programming environments?

14. Explain about Spark program flow, Spark Eco System?

15. Briefly explain about Spark Shell and writing first spark program?

16. Explain about Using Spark SQL Commands ?

17. Definition of Machine Learning? Explain about Machine Learning with Spark?

18. Explain about structured streaming with example?

19. Expain about Shortest Path Algorithm in graph?

20. Explain about Execution model in map reduce in Big Data?

Unit V

1. How to connecting to you data? What are generated values?

2. Explain Joining tables with tableau?

3. Explain sorting data in lab team?

4. Explain sets groups & hierarchies?

5. How to using calculation dialog box?

6. What are the table calculation functions?

7. How to creating a standard map view?

8. How to using maps to improve insights?

9. How to proving self evidenceadhoc analysis with parameters?

10. How to editing views in server?