**DATA VISUALIZATION IN R**

**IMPORTANT QUESTIONS**

UNIT-I

1. A) What is statistics? Explain Descriptive statistics in detail.

B) Give the difference between Descriptive Statistics and Inferential Statistics.

1. A) Explain Sample Statistics and Sampling Distribution in detail.

B) Explain different types of sampling methods in detail

1. What is Data visualization? Give characteristics of Effective Graphical Visual.
2. Explain Advantages and Disadvantages of using R for data Visualization
3. Explain the process of installing R and R studio.

**UNIT-2**

1. Write a short note on:
2. Variables in R
3. Data types in R
4. Operators in R
5. Explain how to create the following R objects with an example
6. Vector
7. Lists
8. Dataframe
9. Factor
10. matrix
11. Which functions are used to import the data from .csv and txt file? Explain with the help of an example
12. Write different functions used for descriptive statistics in R .
13. Explain the following functions of dplyr Package with an example
14. select()
15. filter()
16. arrange()
17. mutate()
18. rename()
19. Explain the following functions of Tidyr Package with an example
    1. gather ()
    2. spread ()
    3. unite ()
    4. separate ()