**15IT423E – Data Science & Big Data analytics**

**Question bank for Unit-I**

1. Write about generic function in R?
2. Explain in detail about Hypotheses testing with example.
3. Explain the graphical user interface of R.
4. Describe the characteristics of big data.
5. Describe contingency tables in R with an example.
6. Describe the creation of a histogram in R with an example.
7. Describe the creation of a box and a whisker plot in R with an example.
8. Describe the creation of a bar graph in R with an example.
9. Describe the creation of a density plot in R with an example.
10. Describe the creation of a scatter plot in R with an example.
11. Explain at least 4 descriptive statistics functions in R.
12. Define Big data.
13. Discuss in detail about the dirty data and data cleansing activities with examples.
14. Explain why visualization of data is important with relevant examples.
15. Describe the analysis of a variable over time in R.
16. What is data analytics? What is the necessity for data analytics?
17. Explain the basic data types available in R with suitable examples.
18. Write about hypotheses testing.
19. Given a data set, form a (histogram/scatterplot/bar graph etc…) in R.
20. Write about the conversion of histogram to JPEG file in R.