Important Long Answer Questions

- 1. List the main characteristics of Bigdata? explain
- 2. How a single person is contributing towards BigData? Explain.
- 3. List the main features of a big data in detail?
- 4. Why big data is important? Describe the use cases for major IT Industries?
- 5. Explain the advantages and disadvantages of Hadoop?
- 6. Compare the RDBMS and Hadoop
- 7. Relate the concept of rack awareness and commodity Hardware with neat diagram?
- 8. Outline the Hadoop 1.X Architecture with a neat diagram
- 9. Explain clearly how files are stored in HDFS?
- 10. Develop a program for word count using MapReduce?
- 11. Infer the working principle of MapReduce and show dataflow diagram for it?
- 12. Organize how to do the storage in File System images, Edit logs, and its uses?
- 13. Summarize the significance of YARN and its Architecture?
- 14. Demonstrate how many joins are there in MapReduce and explain it?
- 15. Explain steps for submission of data to YARN and show in sequence diagram.
- 16.Identify the minimum requirements for installing Hadoop and steps for installation.
- 17. Tell about unstructured data? Illustrate with examples?
- 18. Tell about RDBMS and why it is failing to store Big data explain?
- 19. Why is Big data? Describe the features of a bmain ig data in detail.
- 20. List out the various Data types? Explain it?
- 21. Explain brief about Apache Hadoop?
- 22. Explain the advantages and disadvantages of Hadoop?
- 23. Demonstrate the Apache Hadoop Framework?
- 24. Illustrate the different V's and explain it briefly?
- 25. Make use of the mapper and combiner in MapReduce
- 26. Construct the configure for SSH while installing Hadoop? Explain it with uses?
- 27. Explain in detail about MapReduce concept with an example?
- 28. Solve an issue arising from edit logs utilizing check- pointing with a standby Name node?

- 29. Show Hadoop 1.x and 2.x Architecture and compare the difference between them?
- 30.Identify the minimum requirements for installing Hadoop and steps for installation.
- 31. Demonstrate YARN Architecture and explain its components?
- 32.Identify the modes in which Hadoop can be run? Develop the Pseudo Distributed Mode for Hadoop
- 33. Show the ease of working with structured data
- 34. Select the different V's and explains it with briefly?
- 35. Show the sources of structured data and how it generates?
- 36.Tell about semi-structured data? Illustrate with examples? Characteristics of it
- 37. Why Hadoop came in existence and explain the Hadoop components?
- 38. Explain about Hadoop echo system?
- 39. Illustrate Rack awareness with an example?
- 40. Explain about Master-slave Architecture with neat diagram
- 41. Demonstrate various phases in MapReduce with pictorial representation?
- 42. Explain the various classes and methods in MapReduce implementation?
- 43. Apply the MapReduce Model for the given input (Dear, Bear, River, Car, Car, River, Deer, Car and Bear)
- 44. Identify the purpose of using join in MapReduce and explain the types of Joins?
- 45.Illustrate fundamental idea of Apache Hadoop YARN and its working processer?
- 46. Relate Hadoop 1.x and 2.x Architecture and explain?
- 47. Make use of YARN components? Advantages and Disadvantages of YARN.
- 48.Identify the minimum requirements for installing Hadoop and steps for installation.
- 49. Find out various sources of Big Data?
- 50. Tell about working with structured data in detail?
- 51. Why the Big data? Describe the main features of a big data in detail.
- 52. What is meant by semi-structured data? Illustrate with examples? Characteristics of it?
- 53. Who introduced Apache Hadoop? Explain limitations of Hadoop?
- 54. Explain how Hadoop came in existence and explain the Hadoop components?

- 55. Illustrate the different V's and explain it briefly?
- 56. Relate the concept of rack awareness and commodity Hardware with a neat diagram?
- 57. Explain clearly how files are stored in HDFS?
- 58. Illustrate the mapper and combiner in MapReduce?
- 59. Construct the step by step MapReduce concept with an example?
- 60. Solve an issue arising from edit logs utilizing check- pointing with a standby Name node?
- 61. Show Hadoop 1.x and 2.x Architecture and compare the difference between them?
- 62. Demonstrate how many joins are there in MapReduce and explain it?
- 63. Make use of YARN components? Advantages and Disadvantages of YARN.
- 64.Identify the modes in which Hadoop can be run? Develop the Pseudo Distributed Mode for Hadoop