**Unit-1 and unit-2**

**Short answer questions**

1. What is Big Data?
2. What is Big Data Analytics?
3. What are the advantages of Big Data?
4. Why the Big Data is important?
5. What are the characteristics if Big Data?
6. What type of data received from the GPS Satellite and the web?
7. What is hadoop?
8. What are the core components of hadoop?
9. What is commodity hardware?
10. What are the applications of Big Data?
11. Write Command line syntax to create SSH?
12. Write the list of configuration files needs to be edited to setup hadoop?
13. Write a hadoop command to copy data from local file system to HDFS and HDFS to local file system?
14. What is HDFS?
15. What is MapReduce?
16. What are the roles of hadoop server?
17. What are the hadoop daemon processes?
18. What is replication factor and what is the default replication factor of hadoop?
19. What is checkpointing?

**Long Answer Questions**

1. Explain History and future of hadoop?
2. Explain the differences between RDBMS and Big Data?
3. What is NOSQL Database and explain the features of NOSQL database?
4. Explain How the Data can be written into HDFS with neat diagram?
5. Explain HDFS architecture with neat diagram?
6. Explain about hadoop Rack Awareness concept?
7. How the communication takes place between name node and data node?
8. Explain How the data can be read from HDFS?
9. Explain block size concept of HDFS with a neat diagram?
10. Explain MapReduce Architecture?
11. Explain hadoop’s ecosystem?
12. Explain about the core components of hadoop?
13. Explain about fault tolerance feature of HDFS?
14. Explain about how the name node persists meta data and why check pointing is important?