Faculty of Informatics
MCA V Semester (CBSE) Examination, 2021
Subject: Big Data Analytics Lab
Question Bank

1. Write the step by step procedure to install Ubuntu operating system in Computer System.

2. Write the step by procedure to install Hadoop in standalone mode.

3. Write the step by step procedure to install Hadoop in pseudo distributed mode.

4. Write the step by step procedure to install Hadoop in fully distributed mode.

5. Describe HDFS Commands for the following file management tasks

   i) Adding Files and Directories   ii) Retrieving Files

   iii) Deleting Files

6. Write a MapReduce Program to perform Word count operation on given text file using Hadoop?

7. Write a MapReduce Program that mines weather Data from large volume of Log Data using Hadoop.

8. Write a Map Reduce Program to analyze time-temperature statistics and generate report with max/min temperature from large dataset containing temperature at a particular time in different places.

9. Write a MapReduce Program for Matrix Multiplication using Hadoop.

10. Write the step by step procedure to install and run **Pig** environment in Hadoop.

11. Write a Pig Latin scripts to demonstrate different sorting operations on your data.

12. Write a Pig Latin scripts to demonstrate different grouping operators on your data.

13. Write a Pig Latin scripts to demonstrate **cogroup** operator on your data.

14. Write a Pig Latin scripts to demonstrate **inner join** operator on your data.

15. Write a Pig Latin scripts to demonstrate **outer join** operator on your data.

16. Write a Pig Latin scripts to demonstrate **cross** operator on your data.

17. Write a Pig Latin scripts to demonstrate **filter** operator on your data.

18. Write a Pig Latin scripts to demonstrate **Distinct** operator on your data.

19. Write a Pig Latin scripts to demonstrate **Foreach** operator on your data.

20. Write a Pig Latin scripts to demonstrate **order by** and **limit** operator on your data.

21. Write a Pig Latin scripts to demonstrate **Union, Split** operator on your data.

22. Write a Pig Latin scripts to demonstrate **built-in functions** on your data.

23. Write the step by procedure to install and run **Hive** environment in Hadoop.

24. Write the procedure to create and alter **databases** with example in Hive Environment.

25. Write the procedure to drop and rename **databases** with example in Hive Environment.

26. Write the procedure to create and alter **tables** with example in Hive Environment.

27. Write the procedure to drop and rename **tables** with example in Hive Environment.

28. Write the procedure to create and access **functions** with example in Hive Environment.

29. Write the procedure to create, access and drop **views** with example in Hive Environment.

30. Write the procedure to create and drop **indexes** with example in Hive Environment.