

- With a neat diagram, explain the process in MapReduce when client submitting a Job. 7 a.
  - Explain Hive Integration and work flow steps involved with a diagram. b. (10 Marks)

1 of 2

(10 Marks)

(10 Marks)

(10 Marks)

## OR

- **8** a. Using HiveQL for the following:
  - (i) Create a table with partition.
  - (ii) Add, rename and drop a partition to a table.
  - b. What is PIG in Big Data? Explain the features of PIG.

## Module-5

- 9 a. In Machine Learning explain linear and non-linear relationship with essential graphs.
  - b. Write the block diagram of text mining process and explain its phases. (10 Marks) (10 Marks)

## OR

- 10 a. Define multiple regressions. Write down the examples involved in forecasting and optimization in regression. (10 Marks)
  - b. Explain the parameters in social graph network topological analysis using centralities and PageRank. (10 Marks)