- a. Explain the architectural changes required while replacing active namenode with standby (10 Marks)
  - Explain the anatomy of reading data from a file in HDFS with the help of a diagram. (10 Marks)

## Module-5

- What is MapReduce? Sketch a neat diagram and explain the logical data flow in (10 Marks) MapReduce. (10 Marks)
  - Briefly explain Hadoop streaming.

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- Write a Java MapReduce code to find maximum temperature from the weather data set. 10

  - b. How does a MapReduce model works with a single reduce task? Explain with a neat (10 Marks) diagram.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.