Q.2 (b) Hadoop Distributed -file System :-

This is distributed, scalable and portable file system written in java for the hadoop frame work each Hdfs stores large files typically in ranges of GB to TB.

There are two main components of HDFS.
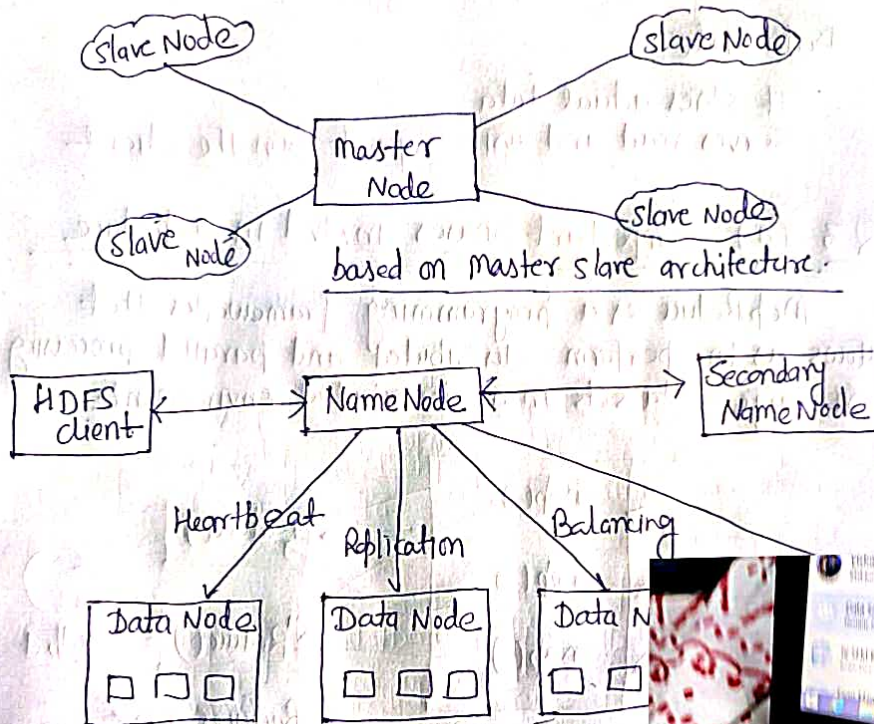
① Name Node
② Data Node

Name - Ankit Purohit   Sign- Ankit   ③
Roll no - 1918225
Section - K
Sub - Hadoop Fundamentals TCS-432

Slave Node   slave Node

Master Node

Slave Node   Slave Node

slave Node   based on master slave architecture.

HDFS client → Name Node ← Secondary Name Node

Heartbeat   Replication   Balancing

Data Node   Data Node   Data N

Name Node :-

It is a master node

① maintain and manages data node
② Records metdata (information abo
  e.g. location of blocks stored
  the size and version of