7. **What is a consistency protocol?**

A consistency protocol provides an implementation of a consistency model in that; it manages the ordering of operations according to its particular consistency models with an emphasis on sequential consistency.

8. **Discuss any five consistency protocols, showing the Advantages and Disadvantages of each. Also show whether the protocol is a local-write or a remote write (with justifications).**

**Single Server**

Remote – write

This protocol implements sequential consistency by effectively centralizing all data and foregoing data replication. All write operations on a data item are forwarded to the server holding that item’s primary copy. Reads are also forwarded to this server.

**Advantages**

This protocol is easy to implement

**Disadvantages**

It does not scale well and has a negative impact on performance.

Due to the lack of replication, this protocol does not provide a distributed system with reliability.