

SESSION: **MONGODB**

Assignment



**1. Why do we use replica sets? Check all that apply.**

1. High availability
2. Durability
3. Scaling in some situations
4. Disaster recovery
5. As a main backup

**Ans.**

1. High availability
2. Durability
3. Scaling in some situations
4. Disaster recovery

**2. Which of the following are true about replication in MongoDB?**

1. Works on a commodity hardware
2. Supports a model of replication with a single primary and multiple secondaries
3. Also supports multi-master replication
4. Works across wide area networks
5. Provides eventual consistency

**Ans.**

1. Works on a commodity hardware
2. Supports a model of replication with a single primary and multiple secondaries

d)Works across wide area networks

1. Provides eventual consistency

**3. Imagine a replica set with 5 servers. What is the minimum number of servers (assume each server has 1 vote) to form a consensus?**

1. 2
2. 3

4

5

**Ans.**

b)3

**4. Why do we give replica sets names?**

1. There is no way for any system to implement replication without a name.
2. Having a single name to refer to a set reduces confusion and human error.
3. Replication sets are sentient and deserve to receive names.
4. Replication set members should all be hosted on a single box, and the name uniquely identifies that box.

**Ans.** b)Having a single name to refer to a set reduces confusion and human error.

* 1. **What does optimeDate represent?**
  2. The servers time
  3. The time of the last operation
  4. The time of the first operation
  5. The last heartbeat
  6. The time the status command was run

**Ans.**

b) The time of the last operation

* 1. **Which command prevents a node from becoming primary for 5 minutes?**

1. rs.stepDown(300)
2. rs.freeze(300)

c) rs.slaveOk(300) rs.remove(300)

d) db.isMaster(300)

**Ans.**

1. rs.stepDown(300)
2. rs.freeze(300)

**7. When a primary goes down and is brought back online, it will always resume a primary status:**

1. True
2. False

**Ans.** b) False

**8. What are good reasons to read from a secondary? Check all that apply.**

1. Geographic reads (latency)
2. Separate a workload (analytics/reporting)
3. High availability (during a failover)
4. Primary is overloaded with writes and can't handle reads
5. Require consistent reads

**Ans.**

1. Geographic reads (latency)
2. Separate a workload (analytics/reporting)
3. High availability (during a failover)

**9. For ‘reads’ which among the following must be consistent, which read preference(s) is used?**

1. Primary
2. Primary preferred

Secondary preferred

Nearest

1. Secondary

**Ans.**

1. Primary