

Sure, here are multiple-choice questions based on the provided information:

1. What does NoSQL primarily refer to?

- A) Relational databases
- B) Schema-free databases
- C) Databases with strict consistency
- D) Centralized databases

2. Which of the following is a characteristic of NoSQL databases?

- A) Strict schema requirements
- B) Limited scalability
- C) Strong transaction support
- D) Horizontally scalable

3. According to the CAP theorem, which aspect does Partition tolerance refer to?

- A) Every read receives the most recent write
- B) Every request receives a response
- C) System will continue to operate despite network failures
- D) System operates with minimal latency

4. Which type of NoSQL database stores data as key-value pairs?

- A) Document
- B) Column Family
- C) Graph
- D) Key-Value

5. Which NoSQL database is known for storing data as documents in JSON/BSON format?

- A) Redis
- B) Riak

- C) MongoDB
- D) Cassandra

6. What type of NoSQL database is MongoDB?

- A) Key-Value
- B) Document
- C) Column Family
- D) Graph

7. Which JavaScript engine does MongoDB use for its query capabilities?

- A) V8
- B) SpiderMonkey
- C) Chakra
- D) JavaScriptCore

8. How does MongoDB ensure high availability?

- A) Through strict consistency
- B) Through strong transaction support
- C) Through replica sets
- D) Through centralized storage

9. What is MongoDB's default behavior for reads and writes?

- A) Reads and writes on secondary by default
- B) Reads and writes on primary by default
- C) Reads on secondary and writes on primary
- D) Writes on secondary and reads on primary

10. What does MongoDB use for in-built file storage?

- A) Hadoop File System

- B) Grid File System
- C) Cassandra File System
- D) MongoDB File System

11. Which operation is NOT supported by MongoDB?

- A) Insert
- B) Find
- C) Select
- D) Remove

12. Which aspect of NoSQL databases makes them easier to manage inside clusters?

- A) Strong consistency
- B) Schema requirements
- C) Aggregate-oriented design
- D) Centralized storage

13. What is the primary reason for the popularity of NoSQL databases?

- A) Strong transaction support
- B) Ability to handle complex SQL queries
- C) Flexibility and scalability
- D) Support for ACID properties

14. Which type of NoSQL database is suitable for storing and querying hierarchical data?

- A) Document
- B) Column Family
- C) Graph
- D) Key-Value

15. What is the main disadvantage of NoSQL databases compared to relational databases?

- A) Limited scalability
- B) Lack of query capabilities
- C) Weak consistency
- D) Lack of transaction support