1. What is MongoDB?

- A. Relational Database Management System
- B. NoSQL Database Management System
- C. Object-Oriented Database Management System
- D. In-Memory Database Management System

2. Which of the following is a BSON data type in MongoDB?

- A. Integer
- B. String
- C. Boolean
- D. All of the above

3. What is the primary purpose of the "_id" field in MongoDB documents?

- A. To store the document's creation timestamp
- B. To uniquely identify each document in a collection
- C. To define the data type of the document
- D. To link documents between different collections

4. Which command is used to create a new database in MongoDB?

- A. use
- B. create
- C. db
- D. insert

5. In MongoDB, what is a replica set used for?

- A. Storing large binary data
- B. Horizontal scaling of data
- C. Ensuring high availability and fault tolerance
- D. Defining document schema

6. How is data stored in MongoDB?

- A. Tables
- B. Documents

- C. Rows and Columns
- D. Key-Value pairs

7. Which method is used to find documents in a MongoDB collection based on specified criteria?

- A. find()
- B. search()
- C. locate()
- D. retrieve()

8. What is the purpose of the $addToSet operator in MongoDB?

- A. Adds a new field to a document
- B. Adds an element to an array only if it does not already exist
- C. Updates a document based on a specified query
- D. Removes an element from an array

9. How is indexing used in MongoDB?

- A. To define the structure of a document
- B. To optimize queries and improve performance
- C. To enforce data validation
- D. To create relationships between collections

10. What does the term "Sharding" refer to in MongoDB?

- A. The process of creating a backup of the database
- B. The distribution of data across multiple machines to support horizontal scaling
- C. The encryption of data at rest
- D. The aggregation of data in a single node

11. Which aggregation stage is used to group documents by a specified expression in MongoDB?

- A. $match
- B. $group
- C. $project
- D. $sort

12. What is the default port number for MongoDB?

- A. 3306
- B. 27017
- C. 5432
- D. 8080

13. Which of the following is a valid projection in a MongoDB query?

- A. { name: 1, age: 0 }
- B. { name: "John" }
- C. { age: { $gt: 25 } }
- D. { _id: 0 }

14. What does the $push operator do in MongoDB?

- A. Adds an element to an array
- B. Removes an element from an array
- C. Updates a document based on a specified query
- D. Adds a new field to a document

15. Which command is used to update documents in a MongoDB collection?

- A. update()
- B. modify()
- C. save()
- D. set()

16. How does MongoDB provide support for transactions?

- A. By using the $transaction operator
- B. MongoDB does not support transactions
- C. By using the startTransaction() and commitTransaction() methods
- D. By using the BEGIN and COMMIT statements

17. Which aggregation stage is used to sort documents in MongoDB?

- A. $match
- B. $group
- C. $sort

- D. $project

18. What is the purpose of the $unset operator in MongoDB?

- A. Adds a new field to a document
- B. Removes a field from a document
- C. Updates a document based on a specified query
- D. Renames a field in a document

19. Which method is used to remove documents from a MongoDB collection based on specified criteria?

- A. remove()
- B. delete()
- C. drop()
- D. discard()

20. What is the purpose of the "db.stats()" command in MongoDB?

- A. To retrieve statistics about a specific document
- B. To check the status of a replica set
- C. To retrieve statistics about the database
- D. To check the status of an index

21. Which MongoDB aggregation stage is used to limit the number of documents in the output?

- A. $limit
- B. $skip
- C. $project
- D. $match

22. What is the purpose of the "explain" method in MongoDB?

- A. To provide information about the execution plan of a query
- B. To create an explanation document for a collection
- C. To explain the purpose of an index
- D. To display the schema of a document

23. How can you create a compound index in MongoDB?

- A. db.collection.createIndex({ field1, field2 })
- B. db.collection.ensureIndex({ field1, field2 })
- C. db.collection.index({ field1, field2 })
- D. db.collection.addIndex({ field1, field2 })

24. What is the purpose of the "text" index type in MongoDB?

- A. To store text data in a compressed format
- B. To create an index for searching and analyzing text
- C. To store encrypted text data
- D. To enforce unique constraints on text fields

25. Which command is used to drop a collection in MongoDB?

- A. remove()
- B. deleteCollection()
- C. drop()
- D. discard()