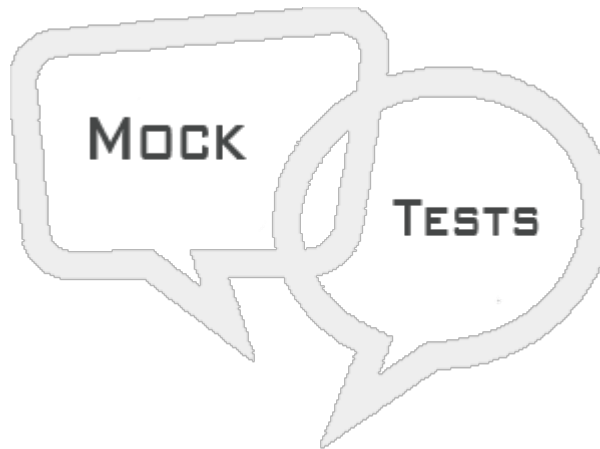


MONGODB MOCK TEST

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This section presents you various set of Mock Tests related to **MongoDB Framework**. You can download these sample mock tests at your local machine and solve offline at your convenience. Every mock test is supplied with a mock test key to let you verify the final score and grade yourself.



MONGODB MOCK TEST II

Q 1 - What does the following MongoDB command return?

db.posts.findlikes: \$gt: 100, likes: \$lt: 200;

- A - Posts with likes greater than 100 but less than 200
- B - Posts with likes greater than or equal to 100 but less than or equal to 200
- C - Posts with likes less than 200
- D - Will return syntax error

Q 2 - Consider that our posts collection contains an array field called tags that contains tags that the user enters.

```
{
  _id: 1,
  tags: ["tutorial", "fun", "learning"],
  post_text: "This is my first post",
  //other elements of document
}
```

Which of the following commands will find all the posts that have been tagged as tutorial?

Q 3 - Which of the following is the most important consideration while designing the schema for MongoDB?

- A - The schema should match the data access and query patterns
- B - The schema should be kept in 3NF similar to SQL schemas
- C - The schema should focus on creating possible embedded documents
- D - The schema should contain maximum indexes

Q 4 - Which of the following operations on a single document will operate atomically?

- A - update
- B - \$push
- C - Both a and b
- D - None of the above

Q 5 - Which of the following is supported by MongoDB?

- A - ACID Transactions
- B - Relationships between Collections *PrimaryKey – ForeignKey*
- C - Journaling
- D - Transaction Management

Q 6 - Consider that our posts collection contains an array field called tags that contains tags that the user enters.

```
{
  _id: 1,
  tags: ["tutorial", "fun", "learning"],
  post_text: "This is my first post",
  //other elements of document
}
```

What does the following command return:

db.posts.find('tags.0':" tutorial "')

- A - All the posts whose tags array contains tutorial
- B - All the posts which contains only one tag element in the tag array
- C - All the posts having the first element of the tags array as tutorial
- D - All the posts which contains 0 or more tags named tutorial

Q 7 - Consider that the posts collection contains an array called ratings which contains ratings given to the post by various users in the following format:

```
{
  _id: 1,
  post_text: "This is my first post",
  ratings: [5, 4, 2, 5],
  //other elements of document
}
```

Which of the following query will return all the documents where the array ratings contains at least one element between 3 and 6?

- A - db.inventory.find(ratings: \$elemMatch: \$gt: 3, \$lt: 6)
- B - db.inventory.find(ratings: ratings: \$gt: 5, \$lt: 9)
- C - db.inventory.find(ratings: ratings. \$: \$gt: 5, \$lt: 9)

D - db.inventory.findratings: \$elemMatch: \$gte: 3, \$lte: 6

Q 8 - Consider that the posts collection contains an array called ratings which contains ratings given to the post by various users in the following format:

```
{
  _id: 1,
  post_text: "This is my first post",
  ratings: [5, 4, 2, 5],
  //other elements of document
}
```

Which of the following query will return all the documents where the ratings array contains elements that in some combination satisfy the query conditions?

- A - db.inventory.findratings: \$elemMatch: \$gt: 3, \$lt: 6
- B - db.inventory.findratings: ratings: \$gt: 5, \$lt: 9
- C - db.inventory.findratings: ratings. \$: \$gt: 5, \$lt: 9
- D - db.inventory.findratings: \$elemMatch: \$gte: 3, \$lte: 6

Q 9 - Which option should be used to update all the documents with the specified condition in the MongoDB query?

- A - updateAll instead of update
- B - specify {multi : true} as the third parameter of update command
- C - specify {all: true} as the third parameter of update command
- D - specify {updateAll: true} as the third parameter of update command

Q 10 - What does the following query do when performed on the posts collection?

db.posts.update({_id: 1, Title: ThisispostwithID1 "}

- A - Updates the Title of the post
- B - Updating a document is possible only with \$set
- C - Replaces the complete document with _id as 1 with the document specified in second parameter
- D - Syntax error

Q 11 - What does the following query do when performed on the posts collection?

db.posts.update({_id: 1, \$set: Author: " Tom "}

- A - Sets the complete document with _id as 1 with the document specified in second parameter by replacing it completely
- B - Adds a new field Author in the searched collection if not already present
- C - Updates only the Author field of the document with _id as 1
- D - Both b and c

Q 12 - Which option can be used with update command so that a new document gets created if no matching document is found based on the query condition?

- A - Specify {upsert : true } as the third parameter of update command
- B - upsert command instead of update command
- C - {update: true, insert: true} as the third parameter of update command
- D - This has to be handled in application code Node.js, PHP, JAVA, C#, etc. and cannot be handled in mongo shell query

Q 13 - Consider that you are using { upsert : true } option in your update command. Which of the following parameters will be used to determine if any new documents were inserted:

- A - nMatched
- B - nInserted
- C - nModified
- D - nUpserted

Q 14 - Which of the following commands removes a single document that matches the condition that Author is Joe?

- D - Both b and c

Q 15 - What is the output of following two commands in MongoDB:

db.posts.insert "_id ": 1

db.posts.insert "_id ": 1

- A - Two documents will be inserted with _id as 1
- B - MongoDB will automatically increment the _id of the second document as 2
- C - This will throw a duplicate key error
- D - It will insert two documents and throw a warning to the user

Q 16 - Which option should be used with findAndModify command to return the modified document instead of the pre-modification document?

- A - findAndModify by default returns the pre-modification document
- B - Set {new : true}
- C - Use the POST version of findAndModify called findAndModifyPost
- D - Both b and c are valid

Q 17 - Consider the following posts document:

```
{
  _id: 1,
  post_text: "This is my first post",
  author: "Tom",
  tags: ["tutorial", "quiz", "facebook", "learning", "fun"]
}
```

Which of the following queries will return the documents but with only the first two tags in the tags array?

D - Both a and c are valid. \$slice works both with projection and limit.

Q 18 - Which are the ONLY ways to project portions of an array?

A - \$elemMatch

B - \$slice

C - \$

D - All of the above

Q 19 - Which of the following operator can be used to limit the number of documents in an array field of a document after an update is performed?

A - *pushalongwitheach, sortandslice*

B - \$removeFromSet

C - \$arrayLimit

D - None of the above

Q 20 - Which of the following methods can be used on a cursor object?

A - cursor.next

B - cursor.hasNext

C - cursor.forEach

D - All of the above

Q 21 - Which language is MongoDB written in?

A - C++

B - Java

C - Python

D - MongoC

Q 22 - Which type of indexes does MongoDB support?

A - Compound Indexes

B - Multikey Indexes

C - Geospatial Indexes

D - All of the above

Q 23 - What does the totalKeysExamined field returned by the explain method indicate?

A - Number of documents that match the query condition

B - Number of index entries scanned

C - Number of documents scanned

D - Details the completed execution of the winning plan as a tree of stages

Q 24 - If the value of totalKeysExamined is 30000 and the value of totalDocsExamined is 0, which of the following option is correct?

A - The query used an index to fetch the results

B - The query returned 30000 documents after scanning the documents

C - The query returned 0 documents

D - None of the above

Q 25 - You can implement a multi-document transaction in MongoDB using which of the following concept?

A - Tailable Cursor

B - Two Phase Commits

C - Compound Indexing

D - Multi Document Transaction is not supported by MongoDB

ANSWER SHEET

Question Number	Answer Key
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1	C
2	A
3	A
4	C
5	C
6	C
7	A
8	B
9	B

10	C
11	D
12	A
13	D
14	D
15	C
16	B
17	A
18	D
19	A
20	D
21	A
22	D
23	B
24	A
25	B

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