

# MongoDB Certified DBA Associate

1. Which features of relational database management systems were deliberately omitted in MongoDB and help us to obtain horizontal scalability? Check all that apply.

A. Multi-statement transactions

B. Joins

C. Authentication

**Answer(s):** A B

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2. The following aggregation option is used to specify the specific fields that needs to be passed to the next stage of the aggregation pipeline:

A. \$project

B. \$aggregate

C. \$match

D. \$group

**Answer(s):** A

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3. In a collection that contains 100 post documents, what does the following command do? `db.posts.find().skip(5).limit(5)`

A. Skip and limit nullify each other. Hence returning the first five documents.

B. Skips the first five documents and returns the next five

C. Limits the first five documents and then return them in reverse order

D. Skips the first five documents and returns the sixth document five times

**Answer(s): B**

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4. What tool do you use to see if you have a problem in the consumption of disk I / O?

A. Mongoperf

B. mongofile

**Answer(s): A**

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5. Which of the following is supported by MongoDB?

A. Transaction Management

B. ACID Transactions

C. Journaling

D. Relationships between Collections (Primary Key Foreign Key)

**Answer(s): C**

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6. The MongoDB explain() method does not support which of the following verbosity mode:

A. executionStats

B. queryPlanner

C. customExecutionStats

D. allPlansExecution

**Answer(s): A**

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7. Consider a collection posts which has fields: `_id`, `post_text`, `post_author`, `post_timestamp`, `post_tags` etc. Which of the following query retrieves ONLY the key named `post_text` from the first document retrieved?

A. `db.posts.findOne({}, {_id:0, post_text:1})`

B. `db.posts.findOne({post_text: 1})`

C. `db.posts.find({}, {_id:0, post_text:1})`

D. `db.posts.findOne({}, {post_text:1})`

**Answer(s): A**

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8. In a sharded replica set environment, the `w` Option provides ability for write concern and `j` Option provides ability for the data to be written on disk journal. Consider that we have a seven member replica set and we want to assure that the writes are committed to journal. What should be the value of `j`?

A. 1

B. 2

C. 0

D. 7

**Answer(s): B**

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9. Aggregation Pipelines have a limit of:

A. 2 MB document and 100 MB RAM

B. 16 MB document and 100 MB RAM

C. No limit on document and 100 MB RAM

D. 2 MB document and no limit on RAM

**Answer(s): B**

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**10.** What is the maximum size of a MongoDB document?

A. 2 MB

B. 12 MB

C. There is no maximum size. It depends on the RAM.

D. 16 MB

**Answer(s): D**

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**11.** If the value of totalKeysExamined is 30000 and the value of totalDocsExamined is 0, which of the following option is correct?

A. None of the above

B. The query used an index to fetch the results

C. The query returned 0 documents

D. The query returned 30000 documents after scanning the documents

**Answer(s): B**

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12. Given a collection posts as shown below having a document array comments, which of the following command will create an index on the comment author descending?

```
{
  _id:1,
  post_text:This is a sample post,
  author:Tom,
  comments:[
    {
      author:Joe,
      comment_text:This is comment 1
    },
    {
      author:Leo,
      comment_text:This is comment 2
    }
  ]
}
```

A. db.posts.createIndex({commerits.\$.author":-1});

B. db.posts.createIndex({comments.\$.author": {\$desc:1>}});

C. db.posts.createIndex({comments.author":-1});

**Answer(s): C**

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13. Which option should be used to update all the documents with the specified condition in the MongoDB query?

A. specify {all: true} as the third parameter of update command

B. updateAll instead of update

C. specify {updateAll: true} as the third parameter of update command

D. specify {multi : true} as the third parameter of update command

**Answer(s): D**

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14. Which mongodb tool is used to report details on number of database operations in MongoDB?

A. mongorestore

B. mongostat

C. mongodump

D. mongotop

**Answer(s): B**

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15. What read preference should your application use if you want to read from the primary under normal circumstances but allow reads from secondaries when a primary is unavailable?

A. secondaryPreferred

B. Secondary

C. nearest

D. primary

E. primaryPreferred

**Answer(s): E**

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16. Which of the following operators is used to updated a document partially?

A. \$set

B. \$update

C. \$project

D. \$modify

**Answer(s): A**

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**17.** What is the first task that a secondary would perform on being prompted by another secondary for an election?

A. Start the election process for primary

B. Vote for the first secondary so that it would become the next primary

C. Vote for itself and then call for election

D. Connect to primary to confirm its availability

**Answer(s): D**

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**18.** Which of the documents below will be retrieved by the following query? Assume the documents are stored in a collection called "sample". Check all that apply.

`db.sample.find( { "$or" : [ { "a" : { "$in" : [ 3, 10] } }, { "b" : { "$lt" : 2 } } ] } )`

A. { "\_id" : 3, "a" : 4, "c" : 0, "b" : 14 }

B. { "\_Jd" : 7, "a" : 8, "c" : 1, "b" : 7 }

C. { ".Jd" : 6, "a" : 1, "c" : 1, "b" : 5 }

D. { "\Jd" : 9, "a" : 17, "c" : 1, "b" : 1 }

E. { \Jd" : 10, "a" : 3, "c" : 1, "b" : 1 }

F. { ".Jd" :: 2, "a" : 2, "c" :: 0, "b" : 1 }

G. { ".Jd" :: 4, "a" : 5, "c" :: 0, "b" : 17 }

H. { ".Jd" :: 1, "a" : 0, "c" :: 0, "b" : 2 }

I. { ".Jd" :: 5, "a" : 3, "c" :: 0, "b" : 12 }

J. {"Jd" :: 8, "a": 11, "c": 1, "b": 0}

**Answer(s):** D E F I J

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**19.** JSON stands for

A. JavaScript Object Notation

B. JavaScript Object Naming

C. JavaScript Object Notice

D. None of the above

**Answer(s):** A

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**20.** What is the replication factor for a replicated cluster with 1 primary, 3 secondaries with one of them hidden. The set also has an arbiter?

A. None of the above

B. 5

C. 3

D. 4

**Answer(s):** D

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