



Seat No. _____

MASTER OF SCIENCE (INFO TECH & COM APP)-CS Examination
M.SC. (IT & CA) CS SEMESTER-1 JANUARY 2026 (Regular) JANUARY - 2026

CS-03 NOSQL DATABASE : MONGODB

Faculty Code : 017

Subject Code : 24CS-MSIT-CO-01-00003

Time : 2.30 Hours]

[Total Marks : 70

Instructions: All questions are compulsory.

- Q.1 (A) Answer the following: 4
- 1 SQL Stands for _____.
 - 2 DAAS Stands for _____.
 - 3 NoSQL Stands for _____.
 - 4 SAAS Stands for _____.
- (B) Answer in brief (Any one out of two) 2
- 1 Explain NoSQL objective.
 - 2 Describe the history of NoSQL.
- (C) Answer in detail (Any one out of two) 3
- 1 Explain the primary benefits of using a NoSQL database.
 - 2 Explain the advantages/disadvantages in MongoDB.
- (D) Write a note on (Any one out of two) 5
- 1 Explain hosted database vs. database-as-a-service
 - 2 Explain NoSQL characteristics.
- Q.2 (A) Answer the following: 4
- 1 DBMS Stands for _____.
 - 2 HTML Stands for _____.
 - 3 RDBMS Stands for _____.
 - 4 What is dropIndex() method.
- (B) Answer in brief (Any one out of two) 2
- 1 What is data?
 - 2 Explain how to MongoDB Create a Collection?
- (C) Answer in detail (Any out of two) 3
- 1 Explain Remove() with example.
 - 2 Explain insert() with example.

- (D) Write a note on (Any one out of two)
- 1 Explain the update() method in MongoDB.
 - 2 Explain MongoDB Datatype with detail.

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Q.3 (A) Answer the following:

4

- 1 HTTP Stands for _____.
- 2 PHP Stands for _____.
- 3 MVC Stands for _____.
- 4 what is GC?

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(B) Answer in brief (Any one out of two)

2

- 1 What is Sample Data?
- 2 Explain Count().

(C) Answer in detail (Any one out of two)

3

- 1 Explain limit() with an example.
- 2 Explain skip() with an example.

(D) Write a note on (Any one out of two)

5

- 1 Explain Aggregation using group().
- 2 Explain find() and sort().

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Q.4 (A) Answer the following:

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- 1 what is javascript?
- 2 Full form of BSON.
- 3 Full form of CSS.
- 4 Full form of FTP.

(B) Answer in brief (Any one out of two)

2

- 1 What is Map?
- 2 What is Reduce?

(C) Answer in detail (Any one out of two)

3

- 1 What is MongoDB?
- 2 What is Web Analytics?

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(D) Write a note on (Any one out of two)

5

- 1 Explain Defining the relational model.
- 2 Explain Real-time analytics using MongoDB.

Q.5 (A) Answer the following:

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- 1 OLAP Stands for _____.
- 2 Full form of DBA.
- 3 What is Data Warehouse?
- 4 Full form of OLTP.

(B) Answer In brief (Any one out of two)

2

2

1 What is GridFS?

2 What is Replication?

(C) Answer in detail (Any one out of two)

1 What is Optimization?

2 Explain Reading files in chunks.

(D) Write a note on (Any one out of two)

1 Explain Storing Files in GridFS.

2 Explain Serving files from GridFS.

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