UNIT-1

5 marks

1. Introduction of NoSQL databases.
2. Need of database.
3. Relational vs non-relational database.
4. Introduction to MongoDB.

10 marks

1. Different types of databases.
2. Types of databases.
3. NoSQL features.
4. Different types of NoSQL database.
5. MongoDB architecture.

UNIT-2

5 marks

1. Introduction to MongoDB.
2. Advantages of MongoDB over RDBMS.
3. JSON file format for storing documents.
4. Introduction to documents.
5. Introduction to collections.
6. Inserting and Saving Documents.
7. Inserting multiple documents.

10 marks

1. Data modelling in MongoDB.
2. Mongo shell
3. Configuration file in MongoDB.
4. Database commands in MongoDB.

UNIT-3

5 marks

1. Updating documents.
2. Removing documents.
3. Document replacement.
4. Single index
5. Finding index
6. Multikey index.

10 marks

1. CRUD operation.

2. Operator and modifiers.
3. Indexing in MongoDB.
4. Aggregation.
5. Aggregation framework.
6. Pipeline operations.

UNIT-4

5 marks

1. Export and import of data.
2. Importing from JSON file.

10 marks

1. Pipeline operations.
2. Aggregation commands.
3. Database operations.
4. Backup and restore.

UNIT-5

5 marks

1. Replication.
2. Advantages of replication.
3. Database features.
4. Choosing the right database.
5. Database era.
6. Taking decisions of database.
7. Strengths and weakness of database.
8. Free and open database.

10 marks

1. Implementation of replication.
2. Managing configuration file in MongoDB.
3. Setting up replica set in MongoDB.