Unit Wise Important Questions (Each Question Carries 6 Marks)

# Unit 3

1. Discuss the suitable use cases of Cassandra and when not to use Cassandra.
2. Define CQL. List and explain CQL Collection data types with an example
3. Explain basic Cassandra table operations with an example.
4. Discuss in detail about Cassandra Data Model.
5. Describe about creating, altering, dropping a keyspace in cassandra with an example.
6. Define CQL. List and explain CQL Collection data types with an example.
7. Outline the four primary CRUD operations in Cassandra. How it is performed using CQL?
8. Describe the replication strategies available in Cassandra with an example.

# Unit 4

1. Define Document Database. List and explain the features of document databases.
2. Illustrate in detail about MongoDB DataModel and its types
3. Explain with example any four operations of MongoDB
4. Discuss the suitable use cases of document databases. When document databases are not suitable.
5. List and explain any four basic data types of MongoDB
6. Define JSON. How to create a JSON Document with an example.
7. Discuss in detail about MongoDB Query Operators.
8. Explain different types of data model in MongoDB.
9. Discuss MongoDB data types commonly used within documents and provide examples for each.
10. Explain in detail about different strategies for optimizing performance in MongoDB.
11. Discuss different types of indexes available in MongoDB and their use cases.
12. Describe the process of creating a CSV file from a MongoDB collection.

# Unit 5

1. Describe nodes and relationships in a graph database with a neat diagram.
2. Define Cypher Query Language. Explain Neo4j CQL Data types and its operators.
3. Explain Graph database with an example.
4. Discuss the features and some suitable examples of Graph Database.
5. Discuss in detail about the Neo4j Data Model.
6. Define Cypher Query Language. Explain Neo4j CQL Data types and its operators.
7. Define Graph Database. How a graph database is different from the other types of NoSQL databases.
8. Discuss some Neo4J CQL Set and Remove Clause with an example.
9. Explain the concept of nodes, relationships, and properties in Neo4j and their role in representing data.
10. List the advantages of using a graph database like Neo4j for representing and querying connected data.