## BDA Sessional-2 Question Bank

***2 Marks***

1. Commands used to start MongoDB in our system?
2. What are the arguments of mapReduce() function in MongoDB?
3. What is the difference between insert() and save() function?
4. Explain upsert functionality with the help of an example.
5. How to create an array in MongoDB?
6. How is a unique key created in MongoDB?

***3 Marks***

1. Write down the characteristics of MongoDB.
2. Explain why one should use MongoDB instead of RDBMS.
3. What is the use of sort() function in MongoDB and how can we perform multi-level sorting. Explain using a simple example.

***4 Marks***

1. Write MongoDB query to perform following task.
2. Create Database
3. Create Collection
4. View all Database
5. View all Collections
6. Insert document in a collection named ‘person’.
7. Describe different CRUD (create, read, update and delete) operations available in MongoDB with the help on an example.
8. Explain Replication and Sharding in MongoDB.
9. Explain MapReduce programming in MongoDB with a suitable example.

***6 Marks***

1. Write MongoDB query for each given RDBMS query.
2. Insert into Students (name, rollno, grade, DOJ)

Values(‘Radha’, 22, ’VII’, ’1-Jan-2012’)

1. Select \* from Customers where name=’Rahul’
2. Select CustID, CustName from Customers
3. Select name, rollno from Students where city=’Ahmedabad’
4. Delete from Customers where CustID=’C111’
5. Update Students set age=18 where rollno=34
6. Which are the different aggregation functionalities available in MongoDB? Explain them with the help of examples.

( group, sum, avg, match, max, min)