*Assignment Name – MongoDB*

1. **What are the different libraries which helps to connect R with MongoDB?**

*Answer: - There are a few packages which help us connecting MongoDB with R. RMongo, rmongodb, MongoDBR are popular packages among them.*

1. **Explain data storage hierarchy in MongoDB in simple words?**

*Answer: - Hierarchy Structure of MongoDB is as discussed below,*

* + - *A MongoDB instance may have “Zero” or more Databases.*
    - *A Database may have “Zero” or more collections.*
    - *A Collection may have “Zero” or more documents.*
    - *A Document may have “Zero” or more fields.*

1. **Write a query in R and python to store data from R/python to MongoDB**

Answer:-  

1. **Why do we call MongoDB as Schema less database?**

*Answer: - The schema of a database describes the structure of the data to be stored. In a relational database, the schema defines its tables, its fields in each table and the relationships between each field and each table. The data stored needs to comply with the structure defined so every register in a table have the same number of columns and format.*

*MongoDB is called a document oriented databases as data is stored in collections of key-value pairs. The key is a unique identifier for the register and the value it's a document is in form of Binary JSON format. There are no constraints for the data stored, so every document in the collection can have different attributes and format. This is why it's called schema-less.*

1. **What is the syntax (we write in command line after we initialize mongo.exe) to create a collection and to drop a collection in MongoDB?**

*Answer: -* ***db.createCollection(“name”)*** *is the syntax of creating new collection in MongoDB environment where within bracket we pass the name of the collection we want to provide as a String.*

***db.edwisor.drop()*** *is the syntax of deleting a collection suppose named “edwisor”.*