**K.J Somaiya Institute of Management Studies and Research**

**MCA Trim IV TEST**

**Open-source database technologies**

**Date:19-09-2022**   **Max. Marks: 20**

Using MongoDB Create database EMPPLOYEE and Collection with name EMP.

Perform the following Queries .

1. Create Database EMPLOYEE.
2. Create Collection EMP.
3. Create a function to insert documents into the EMP collection.  
   Insert Documents Into EMP Collection with varying details like, ID, name, date of joining, date of birth, age, department, salary, role etc. Create embedded documents as given below.

*id, name( first name and last name), date(date of joining and date of birth), age, department(department id, name and manager id), salary, role (role name, responsibilities)*

1. Display employee data.
2. Increase the Salary Of Employee where Name is ‘Tarun’ by 8000
3. Increase the Salary Of All Employee by giving an increment of 2000 each
4. update role of "data analyst" as "data scientist"
5. Add a New Field remark to document with name "Sahil" set Remark as WFH
6. Decrease the salary of ‘Mahesh’ by 2%.
7. Find Document from the emp collection where name begins with S
8. Find Document from the EMPL collection where name begins with R and age more than 45.
9. To Find Document from the EMPL collection where name ends with K
10. Display employee Documents from Analytics and Finance department.
11. Display employee name and department from the departments other than sales and operations.
12. Find the average salary of Sales department.
13. Display the number of employees in each department.
14. Change the manager id of analytics department.
15. Display the responsibilities of a particular employee in sales department.