**20MCA134 ADVANCED DATABASE LAB**

**INTERNAL EXAMINATION SEPTEMBER 2021**

**Time: 1hr Mark: 15**

Create a database named “exam” and create a collection named “student” into it.

1. Insert the following document into the collection student(Using python code)

\_id=1

Name=Anjali

Place=Kollam

Phone=8582639562

Vaccination\_status=”Both vaccinated”

RTPCR=negative

Lab\_mark=Internal:30,External:45

Department=MCA

1. Insert the following documents into the collection student(Using python code)

\_id=2

Name=Anuradha

Place=Varkala

Phone=9992639562

Vaccination\_status=”Both vaccinated”

RTPCR=negative

Lab\_mark=Internal:40,External:48

Department=Civil

\_id=3

Name=Bismiya

Place=Kollam

Phone=9446639562

Vaccination\_status=”not vaccinated”

RTPCR=positive

Lab\_mark=Internal:50,External:39

Department=MCA

\_id=4

Name=Vimal

Place=Ernakulam

Phone=8582639568

Vaccination\_status=”First dose only”

RTPCR=positive

Lab\_mark=Internal:40,External:42

Department=Civil **P.T.O**

\_id=5

Name=Vivek

Place=Kollam

Phone=8582639777

Vaccination\_status=”Both vaccinated”

RTPCR=negative

Lab\_mark=Internal:50,External:50

Department=MCA

1. Write a NoSQL Query to display the name and phone number of students who are both not vaccinated
2. Write a NoSQL Query to display the name and phone number of top two students in MCA department(based on lab external mark)
3. Write a NoSQL Query to display the id, name and department of students whose name starts with ‘A’
4. Write a NoSQL Query to update the vaccination status as ‘both vaccinated’ of the student whose id=4
5. Write a NoSQL Query to display the name of students in descending order based on the lab external mark.