21. Create Database DYPIT using MongoDB Create following Collections Teachers(Tname,dno,dname,experience,salary,date\_of\_joining ) Students(Sname,roll\_no,class)

1. Find the information about all teachers

db.Teachers.find().pretty()

2. Find the average salary teachers of computer department

db.Teachers.aggregate([{$match:{"dname":"Computer"}},{$group : {\_id : "$dname", salary\_maximum : {$avg : "$salary"}}}])

3. Find the minimum and maximum salary of e&TC department teachers

db.Teachers.aggregate([{$match:{"dname":"E&TC"}},{$group : {\_id : "$dname", salary\_maximum : {$max : "$salary"}, salary\_minimum:{$min : "$salary"}}}])

4. Find the information about all teachers of computer,IT,and E&TC department having salary greate than or equl to 10000/-

db.Teachers.find({'salary':{$gte:10000}}).pretty()

5. Find the student information having roll\_no = 2 or Sname=xyz

Same as above questions

6. Update the experience of teacher-praveen to 10years, if the entry is not available in database consider the entry as new entry.

Same s above questions.

7. Update the deparment of all the teachers working in IT deprtment to COMP

Same as above

8. find the teachers name and their experience from teachers collection

9. db.Teachers.find({},{dname:0,dno:0,salary:0,date\_of\_joining:0}).pretty()Using Save() method insert one entry in department collection

Same as above

10. Find the total salary all teachers.