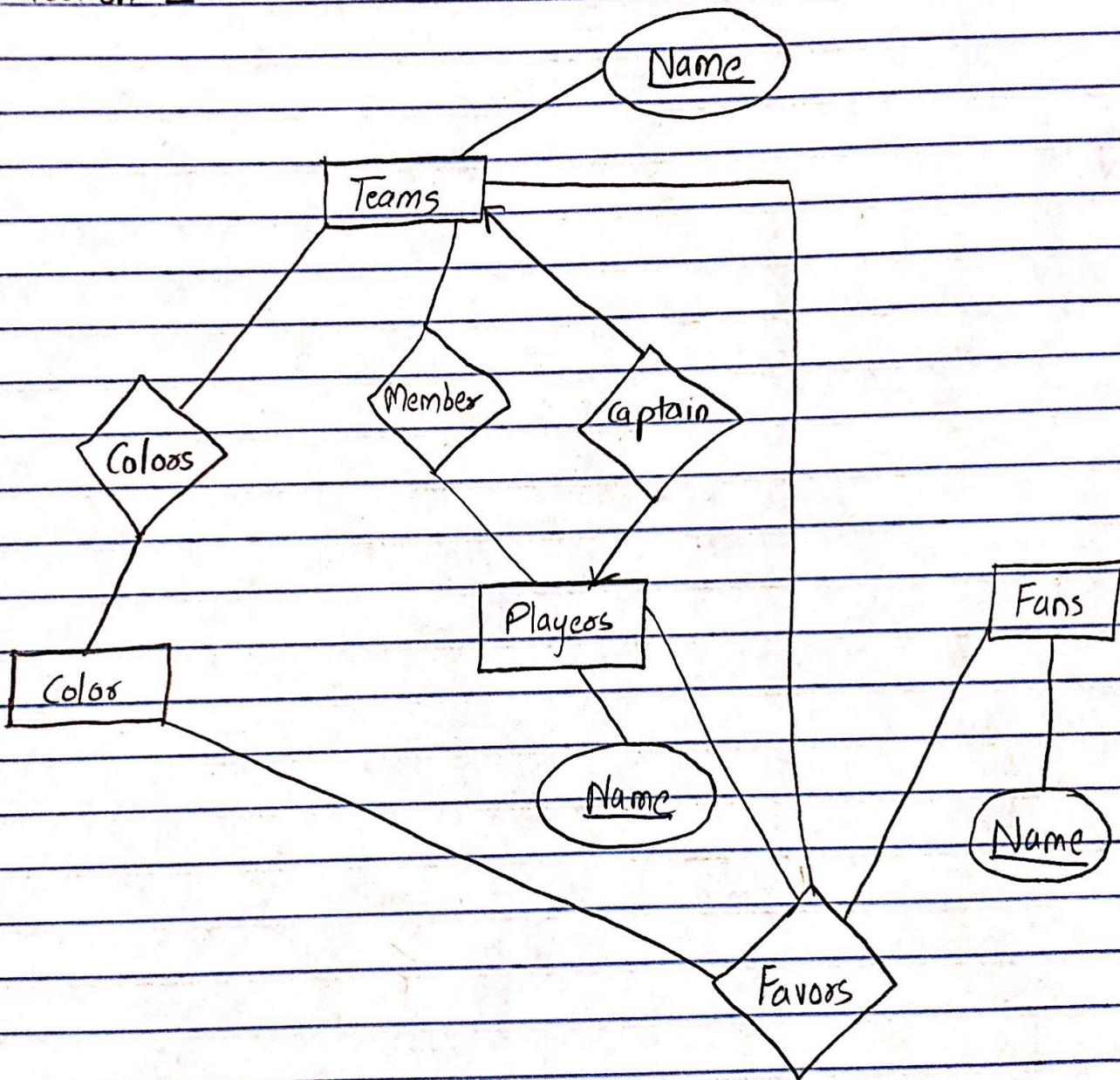
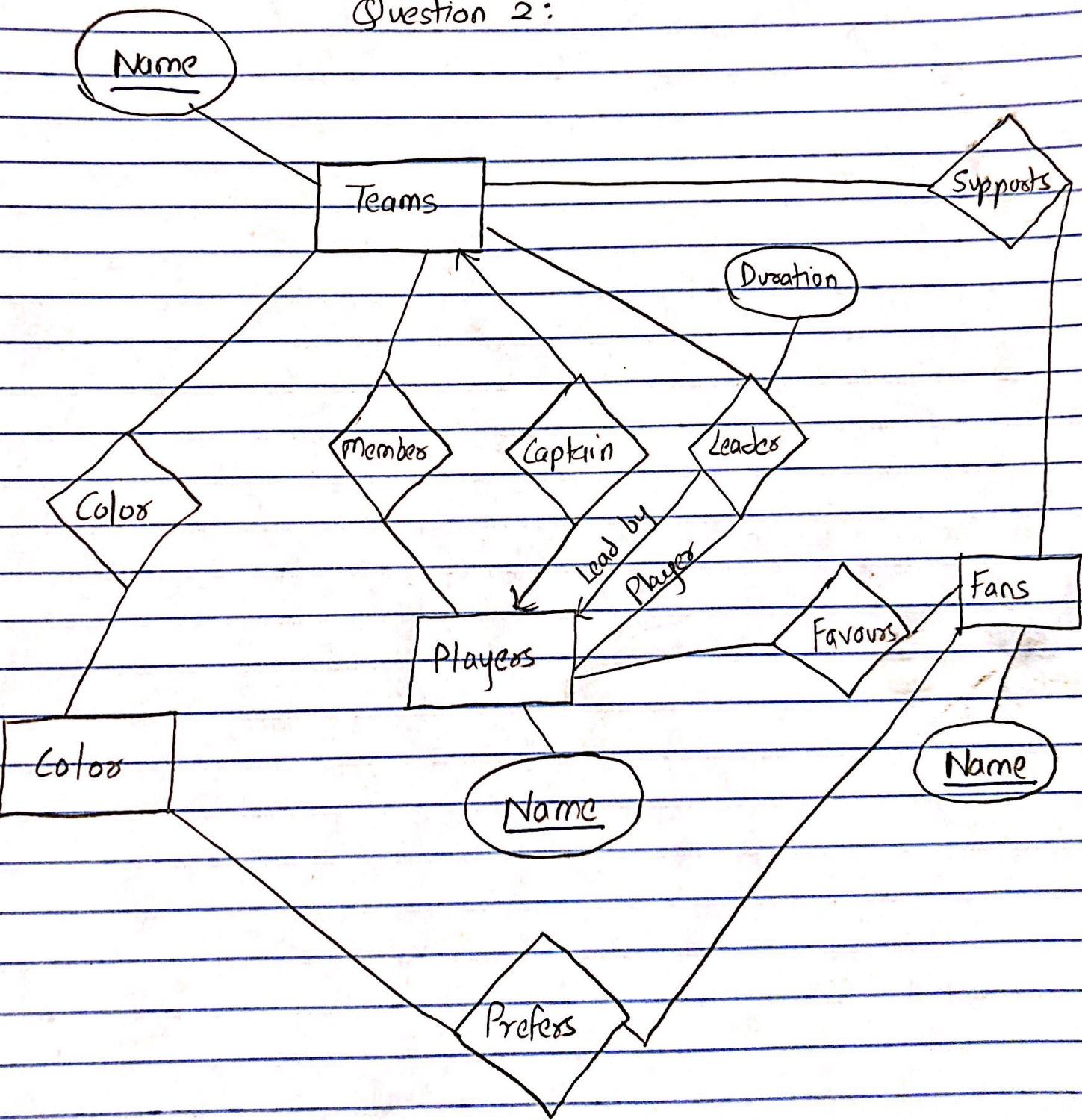


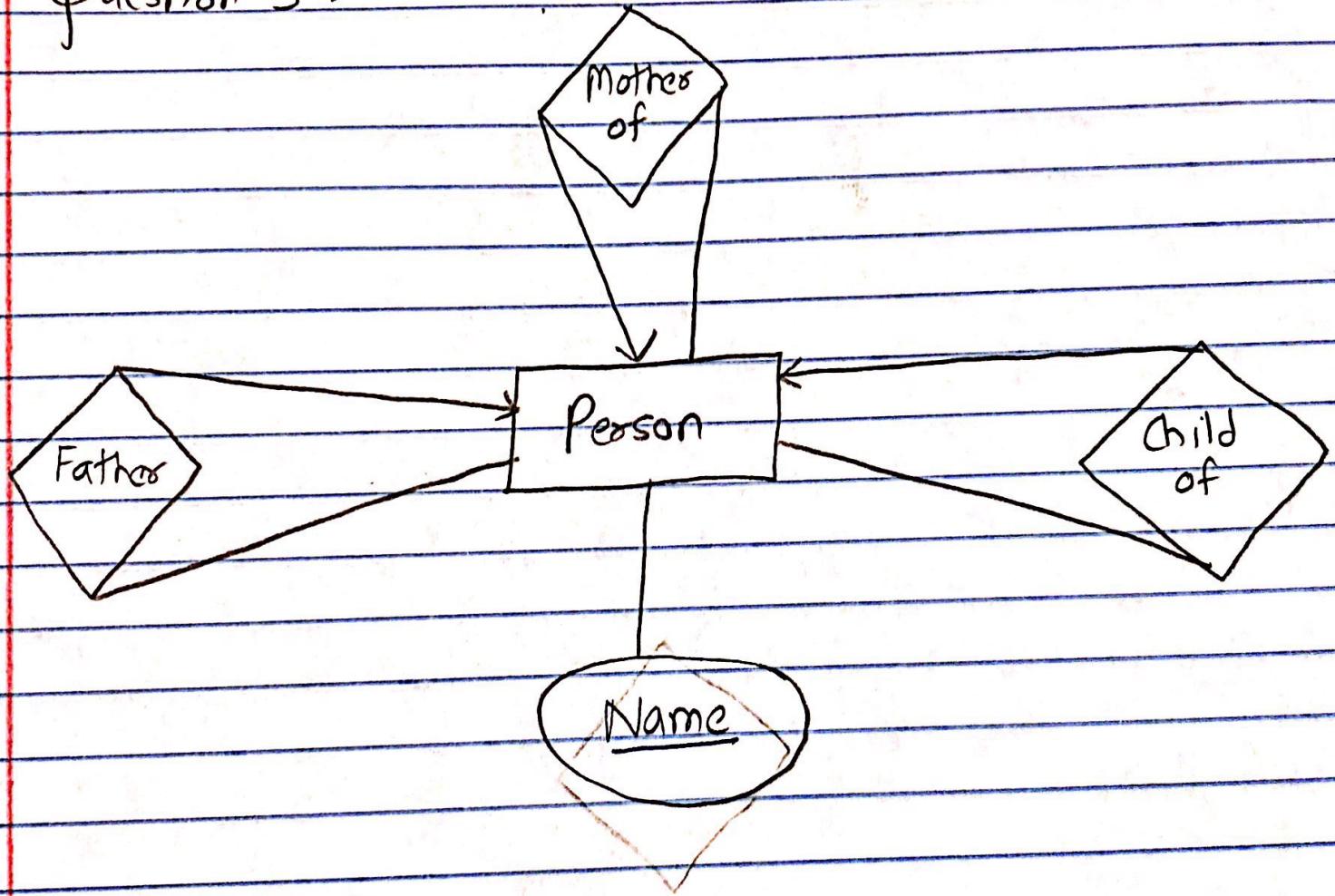
Question 1 :



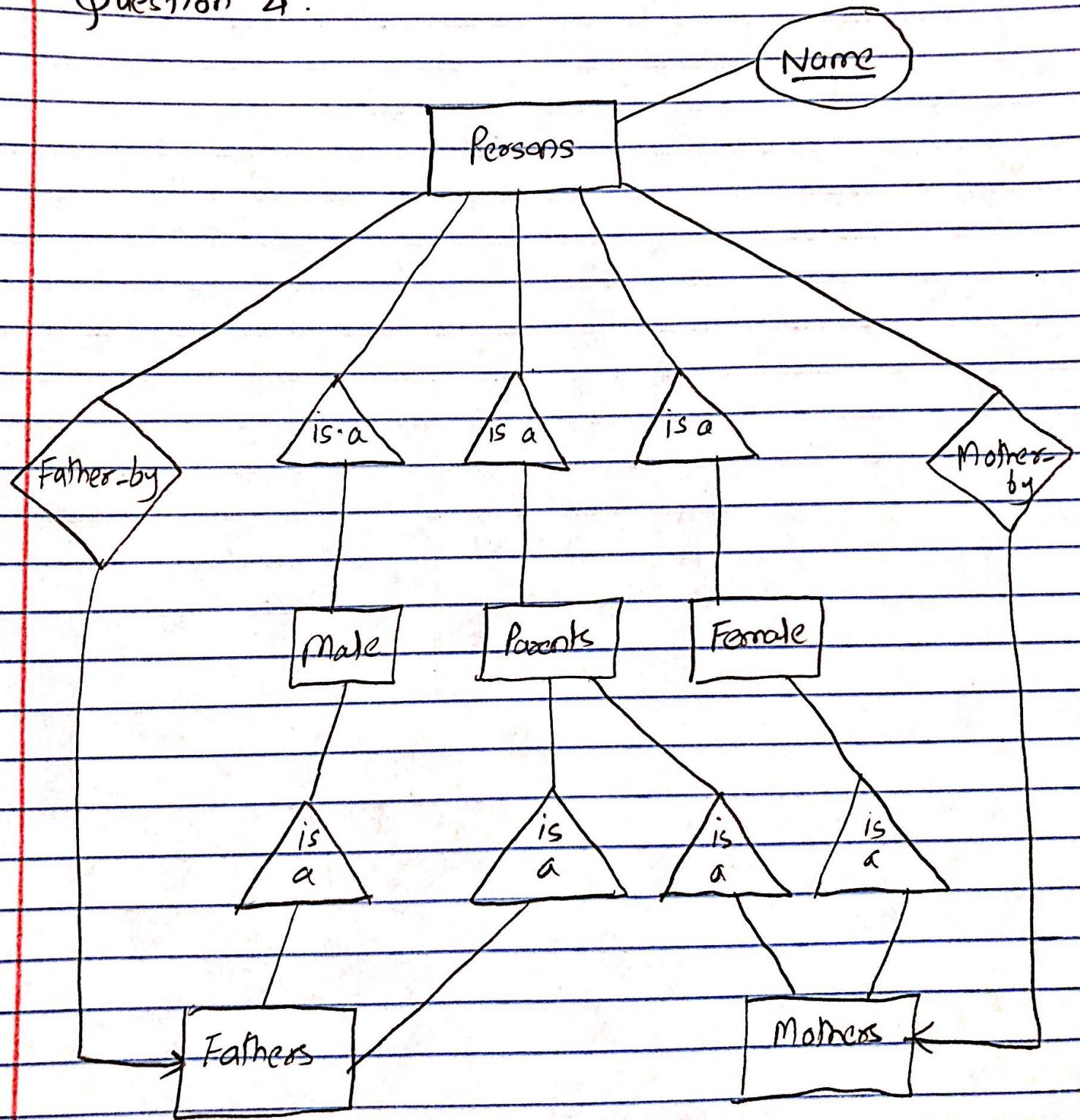
Question 2:



Question 3 :



Question 4:



Question 5:

(a) ER/Method:

Person (name, address)

Person Child (name, address, father_name, father_address, mother_name, mother_address)

Mother (name, address)

Father (name, address, mother_name)
mother_address

Childof (child_name, child_address, parent_name, parent_address)

(b) Object Oriented Method:

Person (name, address)

Child (name, address, father_name, father_address, mother_name, mother_address)

Mother (name, address)

Father (name, address, mother_name, mother_address)

Childof (child_name, child_address, father_name, father_address, mother_name, mother_address)

Married (Father, Mother)

(c)

Nulls Method

Person (name, address, father_name, father_address,
mother_name, mother_address, child_name,
child_address)

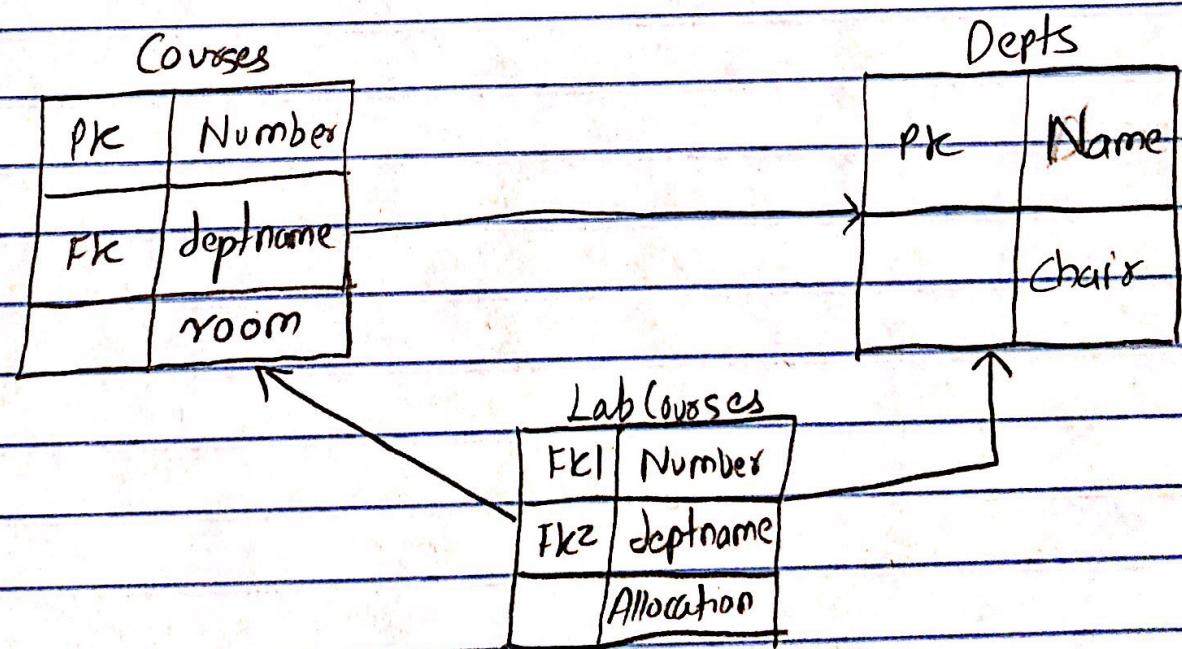
Question 5:

E/R Method

LabCourses (number, deptname, allocation)

Courses (Number, deptname, room)

Depts (name, chair)



Object-Oriented

Object-oriented Method

Depts (name, chair)

Courses (number, deptname, room)

LabCourses (number, deptname, room, allocation)

