**A34729 – Nguyễn Huy Hiệp**

Luyện tập 1 :

5.14 : πemployee\* (Employee)

5.15 : πemployee\* (σsex=female ∧ DOB>1990 (Employee))

5.16 : πempNo, fName, lName(σposition ≠ ‘manager’ ⋀ DOB > 1500(Employee))

5.17 :

R1=πdeptNo (σdeptName= ‘IT’ (Department))

KetQua=∏fName,lName,address (Employee ⋈ R1)

5.18 : πfName, lName(Employee ▷ Employee.empNo = WorksOn.empNo(WorksOn ▷  WorksOn.projNo = Project.projNo(σprojName = ‘SCCS’(Project))))

Luyện tập 2 :

5.24 : πtitle (Book)

5.25 : πBorrower\* (Borrower)

5.26 : ∏title (σyear=2012 (Book))

5.27 :

R1 = πISBN,copyNo (σavailable=’Yes’(BookCopy))

KetQua= πtitle (Book ⋈ R1)

5.28 :

R1 = πISBN (σtitle=’The lord of the rings(Book))

R2 = πISBN (σavailable=’Yes’(BookCopy))

KetQua= R1 ⋈ R2

5.29 :

R1 = πborrowerNo,copyNo (σdateOut < 19/5/2020 ∩ dateDue > 19/5/2020(BookLoan))

R2 = BookCopy ⋈ R1

R3= σtitle=Lord of the Rings (Book ⋈ R2)

KetQua= πborrowerName (Borrower ⋈ R3)

5.30 :

R1=πborrowerNo (σdateOut < 19/5/2020(BookLoan))

KetQua= πborrowerName (Borrower ⋈ R1)