

subject :

Year :

Month :

Date :

①

a) mapping cardinality? express the number of entities to which another entity can be associated with via relationship sets.

1. one to one

2. one to many

3. many to one

4. many to many

b) a weak entity is an entity that cannot be uniquely identified by its attributes alone.

c) an entity that its existence does not depend on existence of other entities.

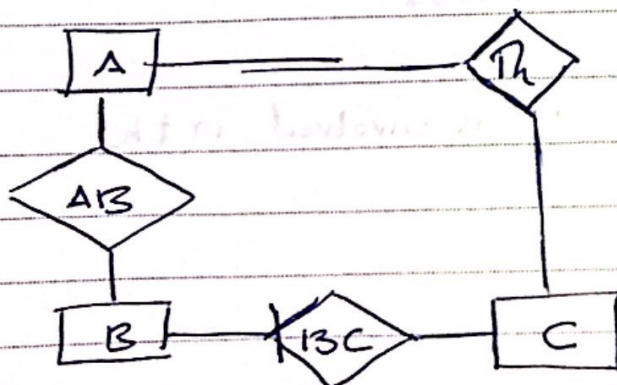
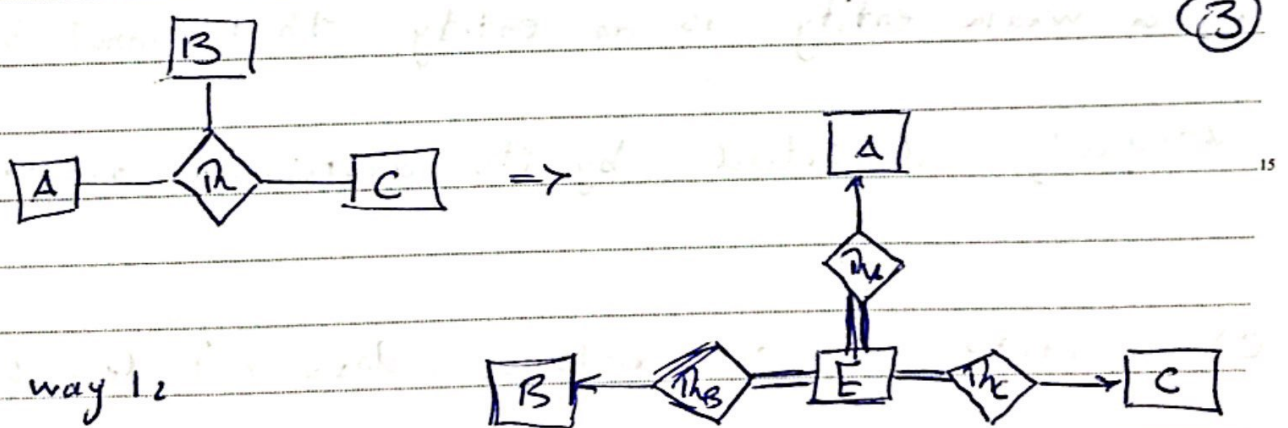
d) means that each entity is involved in the relationship

1. to avoid the inconsistencies caused by duplicating the key of the strong entity set. (2)

2. weak entities reflect the logical structure of an entity being dependant on another.

3. weak entities can be deleted automatically when their strong entity is deleted.

4. weak entities can be stored physically with their strong entities.



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برای یک Quaternary اعداد آن با ternary تبدیل کنیم به "

Binary

(4)

(ان)

Patients
name
<u>SS#</u>
insurance
date - admitted
date - checked-out

doctors
name
<u>dss#</u>
specialization

test
test-name
<u>test-id</u>
date
time
result

test-log
SS#
test-id

Dr-patient
SS#
dss#

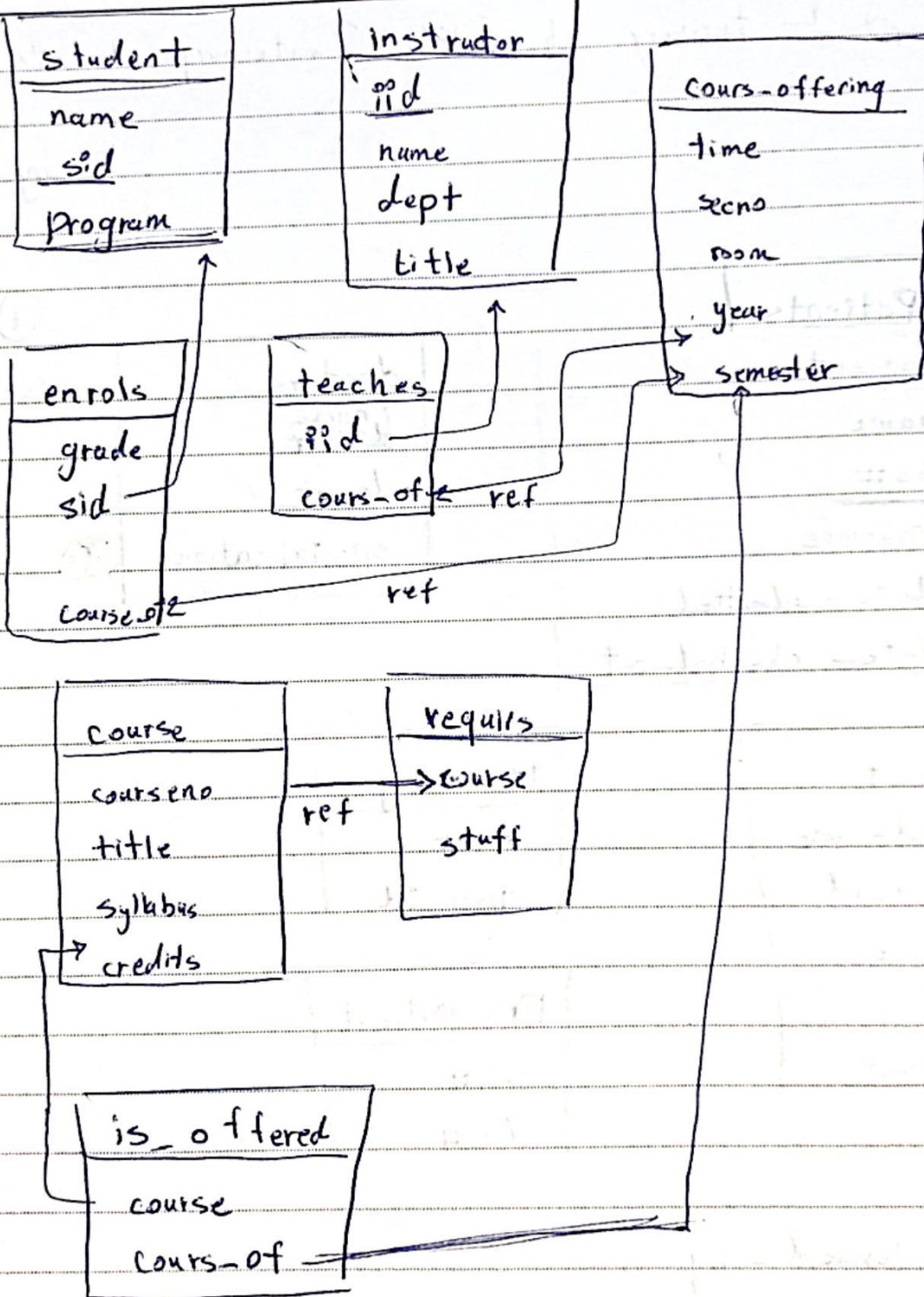
performed-by
dss#
test-Id

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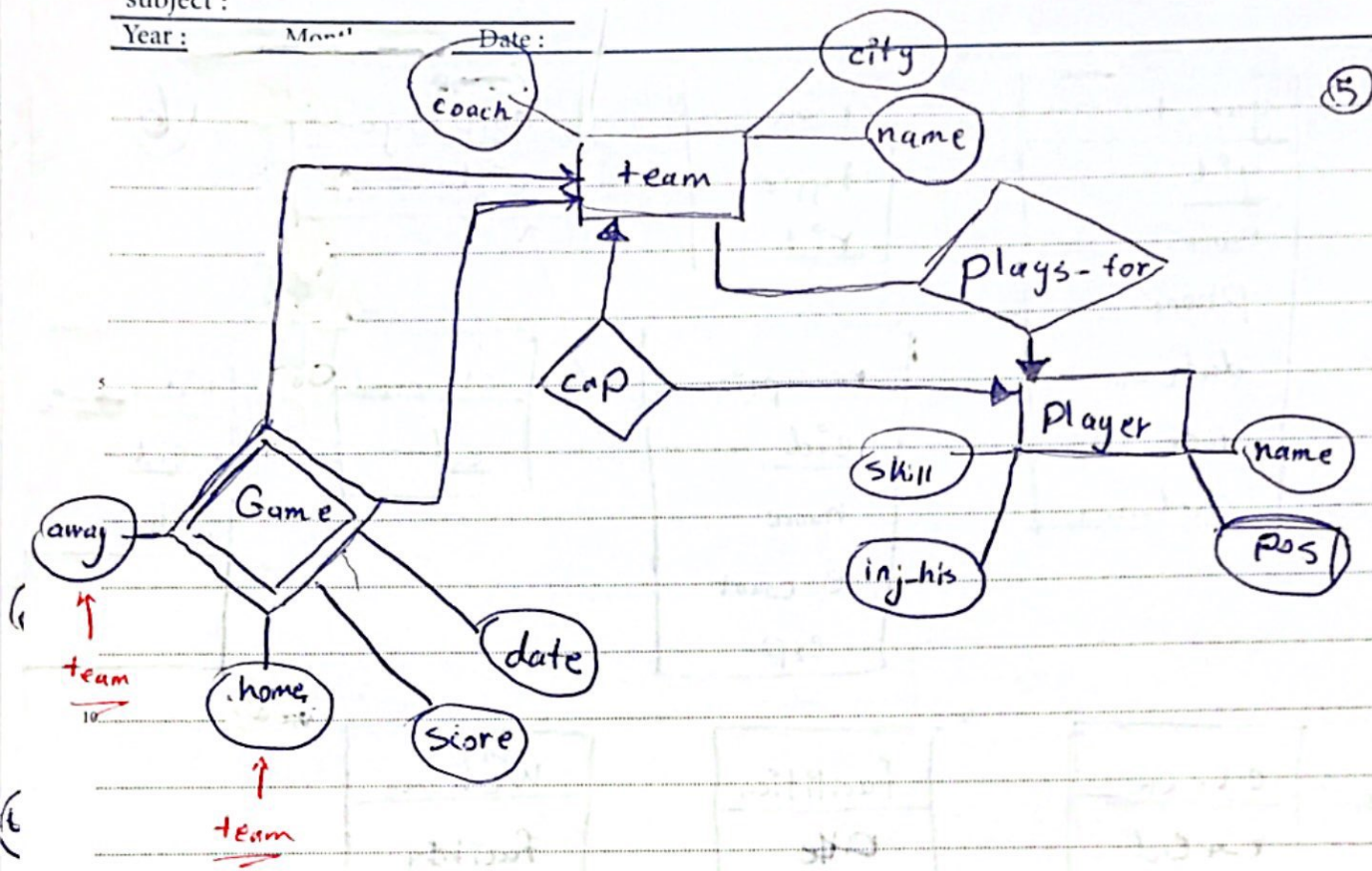


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(6)

guest
<u>gid</u>
name
phone
date-in
date-out
Card-num

room
type
<u>rid</u>

employee
<u>eid</u>

reception
<u>eid</u>
name
e-count
exp

cleaners
<u>eid</u>

Kitchen-e
<u>eid</u>
job

clean
e- eid
reid
e- eid
date
situation

facilities
<u>title</u>

rent welcome
<u>rid</u>
<u>gid</u>

فرض کنید اینها را با اتان ساخته می شوند

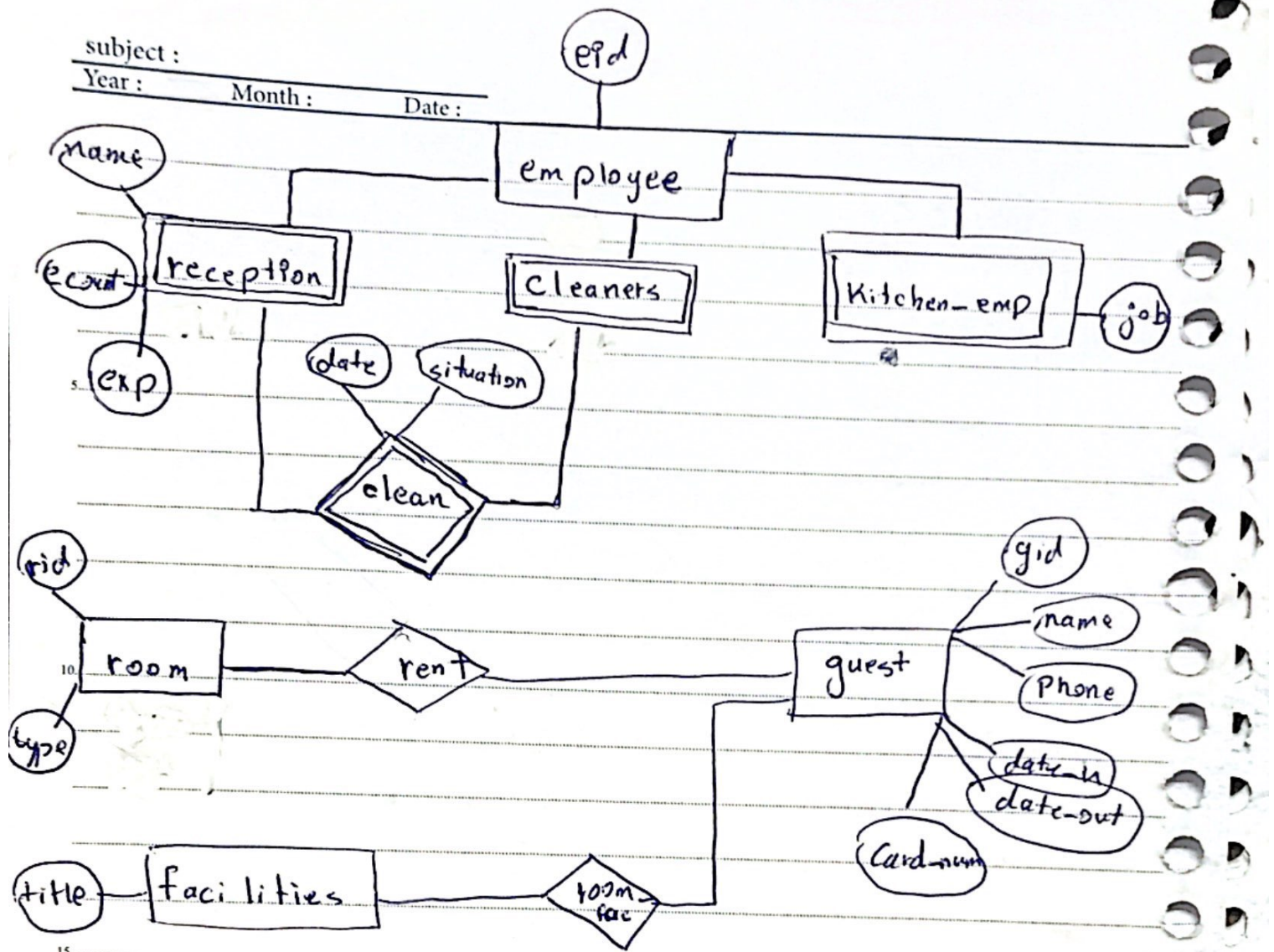
room-fac
<u>rid</u>
facility

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weak

← in our system



! (c)

strong



← employee