<table>
<tr><td>一</td><td>答案</td><td>1---5、CBDCA　6---10、CBCAA</td></tr>
<tr><td>二</td><td>答案</td><td>1) View Level　2) 3
3) (100,98)　4) Revoke
5) Transaction</td></tr>
<tr><td>三</td><td>答案</td><td>1) Answer
Only values occurring in the primary key attribute of the referenced relation may occur in the foreign key attribute of the referencing relation
2) Answer
A candidate key is a set of attributes in a table that satisfies: (1) No two distinct records have the same values for it. (2) There is not a proper subset of a candidate key that satisfies (1).
A superkey is a set of attributes where no two distinct records have the same values for it.
3) Answer
Should be divided.
Loan_numbe→amount, and loan_number is not superkey in the combined relation.
4) Answer
ACID Stands for atomicity, consistency, isolation, durability.
Atomicity:　Either all operations of the transaction are properly reflected in the database or none are. Consistency: Execution of a transaction in isolation preserves the consistency of the database. Isolation: Although multiple transactions may execute concurrently, each transaction must be unaware of other concurrently executing transactions. Durability: After a transaction completes successfully, the changes it has made to the database persist, even if there are system failures.</td></tr>
<tr><td>四</td><td>答案</td><td>1）Answer：
<table><tr><th>B</th><th>C</th><th>200</th></tr><tr><td>6</td><td>7</td><td>200</td></tr><tr><td>2</td><td>3</td><td>200</td></tr><tr><td>4</td><td>5</td><td>200</td></tr><tr><td>7</td><td>9</td><td>200</td></tr></table>
2）Answer：
<table><tr><th>A</th><th>B</th><th>C</th></tr><tr><td>a1</td><td>6</td><td>7</td></tr><tr><td>a4</td><td>4</td><td>5</td></tr><tr><td>a2</td><td>6</td><td>7</td></tr><tr><td>a3</td><td>7</td><td>9</td></tr></table></td></tr>
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3）Answer：
<table>
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<tr><td>a1</td><td>6</td><td>7</td></tr>
<tr><td>a2</td><td>2</td><td>3</td></tr>
<tr><td>a1</td><td>2</td><td>3</td></tr>
<tr><td>a2</td><td>6</td><td>7</td></tr>
</table>
4) Answer
<table>
<tr><th>A</th><th>B</th></tr>
<tr><td>a1</td><td>8</td></tr>
<tr><td>a2</td><td>8</td></tr>
<tr><td>a3</td><td>7</td></tr>
<tr><td>a4</td><td>4</td></tr>
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<td>五</td>
<td>答案</td>
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1) Answer
Create table Class(
cname char(30),
meets at char(30),
room char(30),
fid char(30),
primary key(cname),
foreign key(fid) references faculty)
2) Answer
Insert into students
Values(‘111’,’Kobe Bryant’,’CS’,’senior’,22);
Insert into Enrolled
Values(‘111’,’CS411’)
3) Answer
Delete from class
Where class.fid in
(select fid from faculty where fname=’Joe Smith’)
4) Answer
Create view busyfaculty as
(select fid, fname
From faculty natural join class
Group by fid, fname
Having count(cname)>3)
5) Answer
(select class.snum from student natural join class natural join enrolled where room=’R128’) union
(select snum form students natural join enrolled where cname in (select cname from class natual join entrolled group by cname having
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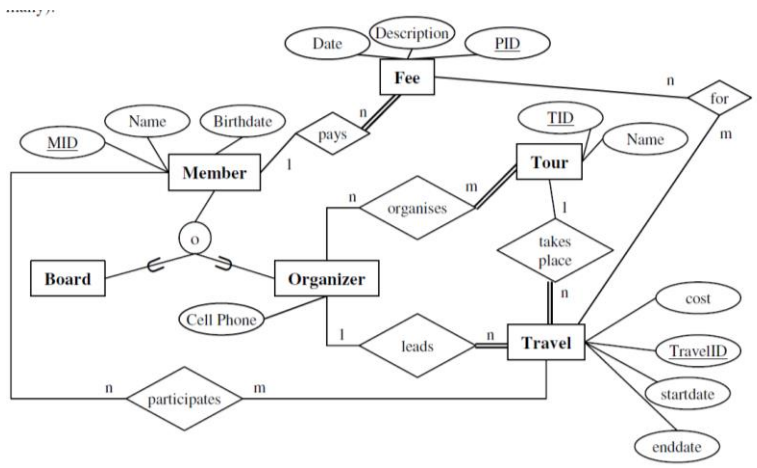
		count(snum)>=5)
六	答案	a) Answer：  b) Answer： Member（MID，Name, Birthdate） Fee(Date, Description, PID, MID) Board (MID) Organizer(MID, CellPhone) Tour(TID,Name) Travel(TravelID, TID, MID, Cost, Startdate, Enddate FeeforTravel(PID, TravelID) Orgnize(MID,TID) Participate(MID, TravelID)
七	答案	a) Answer: Candidate key: AB, BD b) D in AB→CD. c) Not in 3NF.Fc={AB→C,A→D,D→AE,E→F}. Rcan be decomposed into {A,B,C},{A,D,E},{E,F}