



1. Which one of the following can be treated as a primary key in teaches relation?  
   a) Id  
   b) Semester  
   c) Sec\_id  
   d) Year

Answer: a  
Explanation: Here Id is the only attribute that has to have a unique entry.

1. The primary key in the section relation is  
   a) Course\_id  
   b) Sec\_id  
   c) Both Course\_id and Sec\_id  
   d) All the attributes

Answer: c  
Explanation: Both the entries has unique entry.

1. SELECT \* FROM teaches WHERE Sec\_id = 'CS-101';

Which of the following Id is selected for the following query?  
a) 1003  
b) 1001  
c) None  
d) Error message appears

Answer: d  
Explanation: The value CS-101 matches the Course\_id but not Id.

1. SELECT Id, Course\_id, Building FROM SECTION s AND teaches t WHERE t.year=2009;

Which of the following Id are displayed?  
a) 1003  
b) 1001  
c) Both 1003 and 1001  
d) Error message appears

Answer: c  
Explanation: Two rows are select in the above query.

1. The query which selects the Course\_id ‘CS-101’ from the section relation is  
   a) Select Course\_id from section where Building = ‘Richard’;  
   b) Select Course\_id from section where Year = ‘2009’;  
   c) Select Course\_id from teaches where Building = ‘Packyard’;  
   d) Select Course\_id from section where Sec\_id = ‘3’;

Answer: b  
Explanation: The year ‘2009’ should be selected from the section relation.

1. CREATE TABLE SECTION

(Course\_id VARCHAR (8),

Sec\_id VARCHAR (8),

Semester VARCHAR (6),

YEAR NUMERIC (4,0),

Building NUMERIC (15),

PRIMARY KEY (course id, sec id, semester, YEAR),

FOREIGN KEY (course id) REFERENCES course);

Which of the following has an error in the above create table for the relation section

a) Primary key (course id, sec id, semester, year)

b) Foreign key (course id) references course

c) Year numeric (4,0)

d) Building numeric (15)

Answer: d  
Explanation: It should be replaced by Year Building varchar (15).

1. The relation with primary key can be created using  
   a) Create table instructor (Id, Name)  
   b) Create table instructor (Id, Name, primary key(name))  
   c) Create table instructor (Id, Name, primary key (Id))  
   d) Create table instructor ( Id unique, Name )

Answer: c  
Explanation: The value Name cannot be a primary key.

1. How can the values in the relation teaches be deleted?  
   a) Drop table teaches;  
   b) Delete from teaches;  
   c) Purge table teaches;  
   d) Delete from teaches where Id =’Null’;

Answer: b  
Explanation: Delete table cleans the entry from the table.

1. In the above teaches relation ” Select \* from teaches where Year = ‘2010’” displays how many rows?

a) 2  
b) 4  
c) 5  
d) 1

Answer: a  
Explanation: There are two tuples with the year is 2009.

1. The relation changes can be got back using \_\_\_\_\_\_\_\_ command  
   a) Flashback  
   b) Purge  
   c) Delete  
   d) Getback

Answer: a  
Explanation: Purge deletes the table and delete cleans the table entry.