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Question 1

Consider the Orders relation shown in the exhibit. Which of the following SQL statements

would return all complete tuples for order dates in 2002, arranged by amount from lowest to

highest?

Order_No	Order_Date	Customer_No	Sales_Rep_No	Amount
2001	11-04-01	1001	108	24.89
2004	12-14-01	1004	210	126.99
2006	01-14-02	1008	187	1216.69
2009	01-15-02	1008	350	926.89
2012	02-02-02	1001	108	816.09
2015	02-10-02	1004	210	1818.19
2016	02-15-02	1006	109	678.99

Orders Relation

Options:

A- SELECT *
FROM Orders
WHERE Order_Date LIKE _02
ORDER BY Amount;

B- SELECT (Order_Date, Amount)

FROM Orders

WHERE Order_Date LIKE %02

ORDER BY Amount;

C- SELECT *

FROM Orders

WHERE Order_Date LIKE _02

ORDER BY Order_No;

D- SELECT *

FROM Orders

WHERE Order_Date LIKE %02

ORDER BY Amount;

Answer:

D

Question 2

Question Type: **MultipleChoice**

Consider the following SQL statement and the Orders relation shown in the exhibit:

```
SELECT *
FROM Orders
WHERE Order_Date BETWEEN '12/14/01' AND '02/02/02';
```

Order_No	Order_Date	Customer_No	Sales_Rep_No	Amount
2001	11-04-01	1001	108	24.89
2004	12-14-01	1004	210	126.99
2006	01-14-02	1008	187	1216.69
2009	01-15-02	1008	350	926.89
2012	02-02-02	1001	108	816.09
2015	02-10-02	1004	210	1818.19
2016	02-15-02	1006	109	678.99

Orders Relation

How many records should be returned?

Options:

A- Two records

B- Three records

C- Four records

D- Five records

Answer:

C

Question 3

Which subset of Structured Query Language (SQL) is used to limit access to a database or its

data?

Options:

A- Data Definition Language

B- Data Control Language

C- Data Entity Language

D- Data Manipulation Language

Answer:

B

Question 4

Your enterprise is developing a database system that will contain highly sensitive data.

Security of the data will take priority over database processing speed. Which database protection

technique should be employed?

Options:

A- Backups

B- User views

C- Encryption

D- Integrity controls

Answer:

C

Question 5

Question Type: **MultipleChoice**

Which area of database security involves maintaining access to enterprise data?

Options:

A- Integrity

B- Privacy

C- Availability

D- Confidentiality

Answer:

C

Question 6

Question Type: MultipleChoice

Consider the relation shown in the exhibit. Which of the following SQL statements would

properly remove all tuples for New York customers?

Cust_No	Cust_Name	Satisfaction_Rate	Sales_Office	Sales_Rep_No
1011	MicroWidget	75	Atlanta	1350
1012	MacroWidget	90	New York	7403
1013	Xyz Corp	78	Los Angeles	2457
1014	DayCo	95	Atlanta	1350
1015	DigiTech	85	Chicago	3303
1016	DataTech	92	Los Angeles	2457
1017	UniSort	81	New York	7403

Customers Relation

Options:

A- DELETE *

FROM Customers

WHERE Sales_Office = New York;

B- DELETE

FROM Customers

WHERE Sales_Office = New York;

C- DELETE *

FROM Customer

WHERE Sales_Office <> New York;

D- DELETE

FROM Customers

WHERE Sales_Office NOT LIKE New York;

Answer:

B

Question 7

Consider the table for an employee database shown in the exhibit. What is the degree of the

table?

Options:

A- 25

B- 5

C- 4

D- 20

Question 8

Question Type: MultipleChoice

Your enterprise has created a database and database application. The testing phase for the

project has started. Which of the following best describes white-box testing of the projects

software?

Options:

A- The database designer tests the software because he or she is able to make necessary changes to the underlying code for the software.

B- A user who has no knowledge of the softwares underlying code tests the software.

C- Someone other than the database designer tests the software. This person has no access to the

underlying code and attempts to use the

software only in ways not considered by the software designers.

D- A person tests the software and submits suggestions to the software's underlying code. This

person is someone other than the database

designer, but has access to the softwares underlying code.

Answer:

D