Home / My courses / CS 2203 - AY2018-T3 / 1 March - 7 March / Graded Quiz Unit 5

State Finished

Question **1** correct Mark 1.00 out of 1.00	Referential integrity means Select one: ⦿ a. Do not enter a value in the foreign key field of a child table if that value does not exist in the primary key of the parent table ✔ ◯ b. Do not enter a value in the primary key field of chield table if that value does not exist in the primary key of the parent table ◯ c. Do not enter a value in the foreign key field of a parent table if that value does not exist in the primary key of the child table ◯ d. All of above

The correct answer is: Do not enter a value in the foreign key field of a child table if that value does not exist in the primary key of the parent table

Question 2

Correct

Mark 1.00 out of 1.00

If a salesperson attempts to order merchandise for a customer not in the customer service database, the database will typically generate an error message. This message indicates that an integrity constraint has been violated.
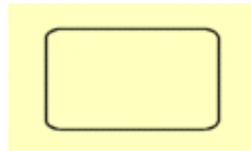
Select one:

○ True ✓

○ False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

This symbol represents:

Select one:

○ a. An entity ✓

○ b. An attribute

○ c. A relation

○ d. A record

The correct answer is: An entity

Question 4

Correct

Mark 1.00 out of 1.00

Which SQL statement is used to remove data from a database?

Select one:

○ a. DELETE ✓

○ b. REMOVE

○ c. TRUNCATE

○ d. DEL

The correct answer is: DELETE

Question 5

Correct

Mark 1.00 out of 1.00

Integrity constraints are rules that help ensure the quantity of the information.

Select one:

○ True

◉ False ✓

The correct answer is 'False'.

Question 6

Correct

Mark 1.00 out of 1.00

Consider the following table:

SREF	INIT	SNAME	DOB	GENDER	RES	KIDS	HTOWN
1	TJ	OSMAN	29-Sep-53	M	No	0	MILLHOUSE GREEN
2	S	LANGLEY	21-Aug-57	F	No	0	HUDDERSFIELD
3	H	WILSON	07-Jul-62	M	Yes	1	HUDDERSFIELD
4	J	CARTER	21-Mar-54	F	Yes	2	BARNSLEY
5	A	JONES	10-Nov-48	F	Yes	2	SHEFFIELD
6	S	ISHEMO	05-Dec-50	M	No	0	LEEDS
7	K	ARNOTT	01-Aug-60	F	Yes	2	SHEFFIELD
8	B	ARNOTT	23-May-62	F	Yes	1	LEEDS
9	N	GREEN	30-Sep-58	M	Yes	1	SHEFFIELD

the filter KIDS=1 OR RES=True will

Select one:

○ a. list all those who are resident and all those who have one child

○ b. list all those with 1 child

○ c. list all those who are resident

◉ d. list only those who have one child as well as all those who are resident ✔

The correct answer is: list only those who have one child as well as all those who are resident

Question 7

Correct

Mark 1.00 out of 1.00

One of the tasks of a relational database management system (RDBMS) is to ensure that relational schemas are in at least 3NF.

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question 8

Correct

Mark 1.00 out of 1.00

A unary relationship describes a table that joins to itself (True/False)?

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 9

Correct

Mark 1.00 out of 1.00

A primary key must consist of one and only one field.

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question 10

Correct

Mark 1.00 out of 1.00

The inner join is typically the most common form of join used in application queries (true/false)?

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 11

Correct

Mark 1.00 out of 1.00

The OR operator displays a record if ANY conditions listed are true. The AND operator displays a record if ALL of the conditions listed are true

Select one:

◉ True ✓

○ False

The correct answer is 'True'.

Question 12

Correct

Mark 1.00 out of 1.00

A physical view represents how the users view the data.

Select one:

○ True

◉ False ✓

The correct answer is 'False'.

Question 13

Correct

Mark 1.00 out of 1.00

In the evolution of database management systems, what does optimization refer to?

Select one:

○ a. High Availability

○ b. Security

◉ c. Performance ✓

○ d. Scalability

The correct answer is: Performance

Question 14

Correct

Mark 1.00 out of 1.00

An instance is

Select one:

○ a. any particular entity

◉ b. a particular occurance of an entity (e.g. Tom Osman is an instance of the entity STUDENT) ✓

○ c. an attribute of an entity

○ d. a special type of relation

The correct answer is: a particular occurance of an entity (e.g. Tom Osman is an instance of the entity STUDENT)

Question 15

Correct

Mark 1.00 out of 1.00

With SQL, how do you select all the records from a table named "Persons" where the value of the column "FirstName" is "Peter"?

Select one:

○ a. SELECT [all] FROM Persons WHERE FirstName='Peter'

○ b. SELECT * FROM Persons WHERE FirstName LIKE 'Peter'

○ c. SELECT [all] FROM Persons WHERE FirstName LIKE 'Peter'

◉ d. SELECT * FROM Persons WHERE FirstName='Peter' ✓

The correct answer is: SELECT * FROM Persons WHERE FirstName='Peter'

Question 16

Correct

Mark 1.00 out of 1.00

What is a field that uniquely describes each record?

Select one:

○ a. Composite Key

○ b. Foreign Key

◉ c. Primary Key ✓

○ d. None of the Above

The correct answer is: Primary Key

Question 17

Correct

Mark 1.00 out of 1.00

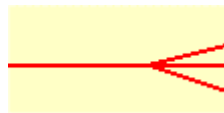What do you mean by one to many relationship between Student and Class table?

Select one:

- ○ a. One student can have many classes ✓
- ○ b. One class may have many student
- ○ c. Many classes may have many students
- ○ d. Many students may have many classes

The correct answer is: One student can have many classes

Question 18

Correct

Mark 1.00 out of 1.00

This symbol represents a

Select one:

- ○ a. one to many relation ✓
- ○ b. a many to many relation
- ○ c. a one to one relation
- ○ d. a many to one relation

The correct answer is: one to many relation

Question 19

Correct

Mark 1.00 out of 1.00

A foreign key is an attribute in one relation whose values match those of a primary key in another relation.

Select one:

- ○ True ✓
- ○ False

The correct answer is 'True'.

Question 20

Correct

Mark 1.00 out of
1.00

The rule that specifies that there should be no repeating fields and that fields should be atomic is

Select one:
- ● a. first normal form ✓
- ○ b. second normal form
- ○ c. third normal form
- ○ d. None of the above

The correct answer is: first normal form

Question 21

Correct

Mark 1.00 out of
1.00

If an attribute depends on only part of a multi-valued key, then it should be removed to a separate relation.

This is an action that is taken during normalization to which normal form?

Select one:
- ○ a. 1NF (First normal form)
- ● b. 2NF (second normal form) ✓
- ○ c. 3NF (3rd Normal Form)
- ○ d. None of the above

The correct answer is: 2NF (second normal form)

Question 22

Correct

Mark 1.00 out of
1.00

The network model (CODASYL) was released in what year?

Select one:
- ○ a. 1979
- ● b. 1969 ✓
- ○ c. 1964
- ○ d. 1980

The correct answer is: 1969

Question 23

Correct

Mark 1.00 out of 1.00

Under a relational database system, if table

table

R has a foreign key constraint referencingS, then each tuple in R is necessarily related to some tuple in S via the foreign key.

Select one:

○ True

⦿ False ✓

The correct answer is 'False'.

Question 24

Correct

Mark 1.00 out of 1.00

A candidate key cannot also be the primary key of a relation.

Select one:

○ True

⦿ False ✓

The correct answer is 'False'.

Question 25

Correct

Mark 1.00 out of 1.00

A database may have numerous physical views.

Select one:

○ True

⦿ False ✓

The correct answer is 'False'.

Question 26

Correct

Mark 1.00 out of 1.00

Which of the following is NOT an information model?

Select one:

- ⦿ a. pureXML model ✔
- ◯ b. Relational Model
- ◯ c. Hierarchial model
- ◯ d. Network model

The correct answer is: pureXML model

Question 27

Incorrect

Mark 1.00 out of 1.00

Which ones of the following queries produce exactly 1 result row?

Select one:

- ⦿ a. SELECT COUNT(*) FROM PERSONS WHERE PNO > 100 ✔
- ◯ b. SELECT COUNT(*) FROM PERSONS GROUP BY PNO
- ◯ c. SELECT PNAME FROM PERSONS INNER JOIN SESSIONS ON PNO = SINS_PNO WHERE PNO = 36
- ◯ d. SELECT PNAME FROM PERSONS LEFT OUTER JOIN ENROLMENTS ON PNO = E_PNO WHERE PNO = 2 GROUP BY PNAME

The correct answer is: SELECT COUNT(*) FROM PERSONS WHERE PNO > 100

Question 28

Correct

Mark 1.00 out of 1.00

Given an employees table as follows: empid name managerid a1 bob NULL b1 jim a1 B2 tom a1 What value will select count(*) from employees return?

Select one:

- ◯ a. 1
- ◯ b. 2
- ⦿ c. 3 ✔
- ◯ d. None of the above

The correct answer is: 3

Question 29

Correct

Mark 1.00 out of 1.00

Primary keys perform the unique identification function in the relational model.

Select one:

○ True ✓

○ False

The correct answer is 'True'.

Question 30

Correct

Mark 1.00 out of 1.00

This Key Uniquely Identifies Each Record

Select one:

○ a. Primary Key ✓

○ b. Key Record

○ c. Unique Key

○ d. Field Name

The correct answer is: Primary Key