



- **Question 1**

0 out of 10 points

The earliest commercially viable DBMS approach was the _____ approach.

Selected Answer: 

relational


Correct Answer: 

hierarchical


- **Question 2**

10 out of 10 points

A fact about the business environment is best described as _____.

Selected Answer: 

a piece of data


Correct Answer: 

a piece of data


- **Question 3**

10 out of 10 points

Which of the following corporate resources describes the others _____.

Selected Answer: 

data


Correct Answer: 

data


- **Question 4**

10 out of 10 points

The inability to add new data to a file until additional related data is specified is referred to as the _____.

Selected Answer: 

insertion anomaly


Correct Answer: 

insertion anomaly


- **Question 5**

10 out of 10 points

Structured query language is capable of _____.

Selected Answer: 

All of the above.

Correct Answer: 

All of the above.


- **Question 6**

0 out of 10 points

The ancient practice of sealing marked clay tokens in clay vessels _____.

Selected Answer: 

was an early version of double-entry bookkeeping


Correct Answer: 

kept track of goods being shipped


- **Question 7**

10 out of 10 points

A primary key of one relation appearing in another relation of the database is called a _____ in the other relation.

Selected Answer: 

foreign key


Correct Answer: 

foreign key


• Question 8

10 out of 10 points

The SQL SELECT operator that is used to find character strings in attributes that match partial character strings with wildcards in a predicate is _____.

Selected Answer: 

LIKE


Correct Answer: 

LIKE


• Question 9

10 out of 10 points

In 1805, Jacquard used punched cards to _____.

Selected Answer: 

repetitively produce patterns in cloth

Correct Answer: 

repetitively produce patterns in cloth


• Question 10

10 out of 10 points

If data structures can be modified without affecting existing programs that use them, we say that the environment is one of _____.

Selected Answer: 

data independence

Correct Answer: 

data independence


• Question 11

10 out of 10 points

The attribute or combination of attributes of a relation that is chosen to be the relation's unique identifying attribute(s) is called its _____.

Selected Answer: 

primary key

Correct Answer: 

primary key


• Question 12

10 out of 10 points

The SQL SELECT built-in function that returns the number of rows of a table that match a given attribute value is _____.

Selected Answer: 

COUNT


Correct Answer: 

COUNT


• Question 13

10 out of 10 points

A ternary relationship involves three ____.

Selected Answer: 

entity types


Correct Answer: 

entity types


• Question 14

10 out of 10 points

Structured Query Language (SQL) is ____.

Selected Answer: 

both a data definition language and a data manipulation language


Correct Answer: 

both a data definition language and a data manipulation language


• Question 15

0 out of 10 points

The operation that results in a change to data in an existing record is ____.

Selected Answer: 

delete


Correct Answer: 

update


• Question 16

10 out of 10 points

The deletion anomaly ____.

Selected Answer: 

refers to unexpectedly losing some data when deleting other data


Correct Answer: 

refers to unexpectedly losing some data when deleting other data


• Question 17

0 out of 10 points

In SQL, the use of a(n) _____ is capable of obtaining the same result as a Join operation.

Selected Answer: 

multi-query

Correct Answer: 

subquery


• Question 18

10 out of 10 points

The cardinality of a relationship is _____.

Selected Answer: 

never zero


Correct Answer: 

never zero

• Question 19

10 out of 10 points

A relationship in which an occurrence of an entity type is associated with exactly one occurrence of the same or a different entity type is called a _____ relationship.

Selected Answer: 

one-to-one

Correct Answer:



one-to-one

• Question 20

10 out of 10 points

The primary key of the additional relation created to store a many-to-many binary relationship in a relational database _____.

Selected
Answer:



is at least the combination of the primary keys of the two relations that represent the entities in the many-to-many relationship

Correct
Answer:



is at least the combination of the primary keys of the two relations that represent the entities in the many-to-many relationship

• Question 21

0 out of 10 points

Broadly speaking, a key field _____.

Selected Answer:



is the unique identifier of the attributes in an entity

Correct Answer:



is the unique identifier of the records in a file


• Question 22

10 out of 10 points

Herman Hollerith developed punched card data processing equipment because of _____.

Selected Answer: 

a need to process a large amount of data

Correct Answer: 

a need to process a large amount of data


• Question 23

0 out of 10 points

A relationship involving a single entity type is called a _____ relationship.

Selected Answer: 

binary


Correct Answer: 

unary


• Question 24

0 out of 10 points

Data redundancy refers to _____.

Selected Answer: 

any situation in which a data value appears more than once across multiple files


Correct Answer: 

the same fact about the business environment being stored more than once within an information system


• Question 25

10 out of 10 points

Storing a unary one-to-many relationship in a relational database _____.

Selected Answer: 

involves adding one column to a relation

Correct Answer: 

involves adding one column to a relation


• Question 26

10 out of 10 points

Referential integrity problems _____.

Selected Answer: 

All of the above.

Correct Answer: 

All of the above.


• Question 27

0 out of 10 points

The SQL SELECT operator that finds rows with equal values of a given attribute and allows the built-in functions to operate on them is _____.

Selected Answer: 

HAVING


Correct Answer: 

GROUP BY


• Question 28

10 out of 10 points

In common practice in relational database terminology, the term “attribute” is synonymous with _____.

Selected Answer: 

field


Correct Answer: 

field


• Question 29

10 out of 10 points

In the SQL SELECT command, a Join operation designed to go on to retrieve specific attributes of specific entities is characterized by _____.

Selected Answer: 

two or more tables in the FROM clause with a list of attributes in the SELECT clause and one or more predicates in the WHERE clause

Correct Answer: 

two or more tables in the FROM clause with a list of attributes in the SELECT clause and one or more predicates in the WHERE clause


• Question 30

10 out of 10 points

A relationship ties together _____.

Selected Answer: 

entities

Correct Answer: 

entities

- **Question 31**

0 out of 10 points

As opposed to the fields of a file, the columns of a relation _____.

Selected



Answer:

can be arranged in any order although it will affect the meaning of the data

Correct Answer:



can be arranged in any order without affecting the meaning of the data

- **Question 32**

0 out of 10 points

The relational Select operator is capable of _____.

Selected Answer:



retrieving one or more columns from a relation

Correct Answer:



retrieving one or more rows from a relation

- **Question 33**

10 out of 10 points

A relationship between two different entity types is called a _____ relationship.

Selected Answer:



binary

Correct Answer:




binary


- **Question 34**

0 out of 10 points

If a relationship involves two entity types, an occurrence of one entity type can be associated with several occurrences of the other entity type, and in the reverse direction an entity occurrence can also be associated with several occurrences of the other entity type, the relationship is a _____ relationship.

Selected Answer: 

one-to-many unary


Correct Answer: 

many-to-many binary


- **Question 35**

10 out of 10 points

A diagramming technique that describes entities, their attributes, and the relationships between them is the _____.

Selected Answer: 

Entity-Relationship model

Correct Answer: 

Entity-Relationship model